

# AMERICAN NURSERYMAN

*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*

JUNE 1, 1961

Serial Dept.

JUN 1 1961



Wisteria Sinensis (Left) and Floribunda (Right)

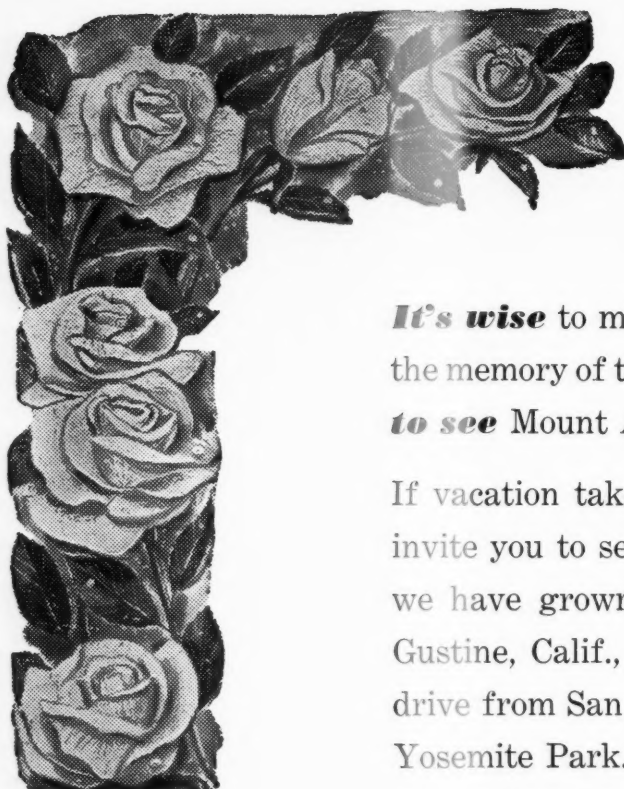
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# AMERICAN NURSERYMAN

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*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*

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# AMERICAN NURSERYMAN

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## Editorial

### CUT-PRICE SALES

While cut-price sales of plants at or near the close of the planting season seems to have become a tradition with some firms and in some localities, there is strong difference in opinion as to their efficacy in moving stock or, especially, in adding to profits.

In the case of annuals sold as bedding plants, probably purchased from a greenhouse grower and retailed at a garden center where there is no opportunity to use them otherwise if they are not sold, there may be more reason for making a final effort to sell them at even cost price. But one operator who had made a practice of such a cut-price sale with the advent of July found that some of his good customers merely left unplanted certain areas in the garden, which they filled with his plants at the lower prices and at reduced profit to him. By abandoning the practice he thinks he is moving nearly as many plants at regular prices and, of course, with more advantage to the plants and to customers. Only in seasons when a glut of bedding plants made it possible for him to buy at the end of the season at reduced prices was it really possible for him to show a profit on those he sold at cut prices.

In another instance one nurseryman maintained his regular prices on potted roses, while florists and garden shop operators around him reduced their prices, even to slicing them in half as the close of June approached; yet he sold all his roses, making a point to keep them in good condition and in good appearance by watering and pruning regularly while they lasted.

One nurseryman, as the end of the planting season nears, groups odds and ends he may have in certain grades or sizes of various items, together with picked-over stock, and displays groups of "seconds" at re-

duced prices. Often he finds that customers become aware of the better value of regular-priced plants, preferring to buy them. But enough add to their planting plans to move many of his "seconds."

Competitive conditions and varying seasons, of weather, demand or supply, affect the practices of nurserymen and garden shop operators in regard to cut-price sales. But each one should study his own situation and not sacrifice profits unnecessarily, any more than he wishes to sacrifice sales.

### PACKAGED GOODS

The ingenuity of nurserymen, perennial growers, bulb dealers and other plantmen sets before the public more items in handy packages and containers each season. By the use of polyethylene products, vermiculite, sphagnum moss, peat pots, a variety of forms of plastic pots, coated papers and containers and other such aids, new and old, horticultural products can be put into the hands of the public ready for home and garden use.

The public's increased interest in gardening and the consequently expanded market in materials and equipment for this purpose have led to the usual result, that "everyone wants to get into the act," if not everyone, at least a sufficient number of inexperienced and irresponsible persons—in addition to those in the industry seeking to serve the public better—to warrant caution in this procedure.

Just as in the old days only specimen trees and shrubs were regarded worth the labor and expense of balling with burlap, so it is obvious to experienced nurserymen that only good-quality plants should be used in packaging, in order that buyers will be reasonably certain of success with them. But competition and the desire of cut-price stores to handle horticultural products has led to putting small-size and inferior bulbs into containers so that the housewife need only add water and, presumably, enjoy the resultant blooms. Some packagers of roses have reduced the size and grade of plants included in order to meet a low-price market.

Not all the instances are so flagrant that they will receive the attention of the federal trade commission or of the state inspectors

where there are laws as to viability of stock. Moreover, probably no plants can be packaged and sold that will be foolproof against buyers' mistreatment or lack of care. Yet there is a responsibility for everyone who has the interests of horticulture at heart to see that the uninformed and inexperienced buyers, who probably buy a large proportion of packaged plants and bulbs, are given, not just what they pay for in a cut-rate store, but what they can plant and grow with success at a reasonable price.

### FORM BOXWOOD SOCIETY

While many so-called flower or plant societies are composed primarily of enthusiasts who make a hobby of collecting or growing the numerous forms and varieties of a plant, some of these organizations, whether young or old, have performed exceedingly valuable functions in horticulture by bringing together diverse individuals who are able to benefit the commercial and amateur growers of the plant with which they work.

Considering the increasing interest in boxwood evidenced in recent years by the collection and trials here of species and strains gathered in Europe and Asia in an effort to extend the enjoyment of boxwood to the cooler and drier sections of the country, the recent announcement of a meeting called to form an American Boxwood Society is not surprising.

Appropriately, the meeting was called in Virginia, a state where the boxwood borders and gardens have become legends, extending back to Colonial days. But nurserymen in a number of states find boxwood an important item on their lists, and still more in other climates are seeking varieties which will enhance plantings there.

Such an organization can do a great deal to co-ordinate the efforts of the collectors, research scientists, nurserymen and amateurs interested in the plant. It should make available and add to the information on the numerous species and varieties, their propagation, their uses in planting and the control of pests. The report of the organization meeting on another page of this issue will be welcome to the many nurserymen who are growing boxwood or testing some varieties in their plantings.



# April Cuts Early Mail-Order Advance

Reports Note Some Gains, but Cold, Wet Weather Whittles Totals in Most Areas

Mail-order nurserymen comment on good sales to start the year, January through March, but a serious drop-off in April, which was cold and wet over much of the country. Inasmuch as last year's volume was quite low, the gains noted this year may not be remarkable, yet they have brought back some optimism. Efforts must be made to build sales by mail in the season before customers are willing to drive to garden centers or be stimulated by chain store offers of plants, it is felt. Minnesota suffered especially because of the late season and slow buying.

Rose sales were lower in Iowa, where fruit tree sales were excellent and seeds, bulbs and perennials were steady. Strawberries moved well, and there were some berry shortages. Food items were thought to be in stronger demand than ornamentals in Michigan.

In Missouri, where the biggest advance was reported—20 per cent over a poor 1960—it was noted that customers were stretching their dollars, looking for the smaller sizes, bargains and inducements. Shipping costs remained an adverse factor.

## April Bad Month in New York

After a good start in January and February, mail-order sales at Kelly

Bros. Nurseries, Inc., Dansville, N. Y., slumped during April, according to John W. Kelly, who comments on the season as follows:

"A year ago the mail-order nursery business was hampered by unusual weather conditions and by the general recession. The unusually warm weather the first two weeks in April brought plants into leaf and killed the season. Generally, I believe, the season was one of the worst experienced by the trade.

"This spring, we were off to a good start. Our catalog was mailed on time. Our January and February business was good. March was unusually good, but for some reason we were off each week during the month of April. The likeliest cause for this is the unusually wet and cold weather experienced in the east, mixed with a few snowstorms here and there. As of May 8 our business is up; so we hope to pick up the April loss through a longer season this month. We are still optimistic for the future of the mail-order business."

Maloney Bros. Nursery Co., Inc., Dansville, N. Y., found the cold, wet spring dampening gardeners' enthusiasm, but wholesale and fruit tree demand was good. President

H. W. Maloney hopes for a pickup in retail sales in this letter, dated May 9:

"Generally, this has been a very cold, wet spring. It has curtailed nurserymen's plantings here. I am sure that it must have dampened the customers' enthusiasm for planting anything early.

"Our wholesale and fruit grower business is good. There has been a good demand for fruit trees. Apples were slow in starting, but they have sold well recently. Some items were in short supply. Transportation seemed better than is usually the case.

"Our retail business is off from last year's at this writing. We hope for at least three and one-half weeks more of good business."

## Michigan Feels April Drop, Too

The pattern of early spring gains countered by a sharp drop in sales in April was repeated in Michigan, according to this report from Eldon H. Burgess, Burgess Seed & Plant Co., Galesburg. He writes:

"January ran a little ahead of 1960, with February running even; so we went into our heavy spring season the first of March with a slight increase. March showed the largest

[Continued on page 79]

## AUTHORITATIVE GARDEN ADVICE WILL BE NEW YORK FIRM'S SPECIALTY



The Hillswood Garden Center, owned by Daniel N. Schlosberg and Theodore A. Weston, garden editor of the American Home magazine, opened this spring at Valley Cottage, N. Y. Located among the rapidly growing residential areas of Rockland county, the new firm will offer a complete selection of nursery stock and garden supplies in its store building and display yard. The greenhouse department, featuring a large variety of house plants, will be managed by Ruth Marie Peters, indoor gardening editor of Popular Gardening magazine. Mr. Schlosberg, former manager of the Westwood Feed & Supply Co., Westwood, N. J., will manage the business of the new garden center. Mr. Weston will be available for horticultural and landscaping consultation on week-ends.

## Hold Wholesale Gains In South Despite Weather

Weather problems, which caused many difficulties in the south last spring, were repeated, with some variation, this year. Nevertheless, southern wholesalers reporting indicate some advance in sales volume. Digging operations, however, were hampered in several areas, and planting was delayed by bad weather. Some increases in plantings are mentioned, although not in roses, which seem to have been in oversupply on the whole. Growing stock now is good, and generally prices are not reported rising. One Texas firm, however, reports clean-up of stock despite advances in its prices, which it felt were necessary. Optimism for the industry is expressed.

### Kansas Volume Up

Spring volume was up, but the weather was a severe handicap to operations declares John J. Pinney, Willis Nursery Co., Ottawa, Kan., in the following spring review:

"We are nearing the end of our spring shipping season, and I can assure you it is a relief. For the third year in a row we have been badly handicapped by unfavorable weather. We had more than 10 inches of rain during the months of March and April, which slowed down the digging of evergreens and other B&B material. However, we managed to get the job done between rains and filled all of our orders.

"We managed to get enough help by advertising regularly in the local newspaper. The state employment service, which has an office here, was of practically no help.

"The demand was good, so our volume is ahead of last year's. The landscape men report excellent business, but the cash-and-carry trade has been slow, because of unfavorable weather. The spring is late, because of low temperatures; so with favorable weather during May, the cash-and-carry dealers will pick up a great deal of volume.

"The supply of stock in this area appears to be about normal, and we have no plans for any considerable increase in planting. As far as prices are concerned, we feel that they will show some increase during the coming season, which is to be expected, considering the constantly advancing cost of doing business. Prices in the

nursery business have not kept pace with increased costs."

### Wet Weather Hampered Tennessee

Constant rains this spring hampered digging, shipping and planting in Tennessee, states George Cultra, Morning Star Nursery, Inc., Rives, Tenn., in this report on the season's trade:

"We thought a year ago that we had a bad spring, but, actually, it was not so bad; it was just late. After the season opened we had a wonderful shipping business. This year spring opened early, but we have had rain ever since. The orders for B&B material piled up just because it was too wet to dig the stock. We had trouble, as it was, trying to ship stock too wet.

"I cannot tell of a heavy demand for any particular item, but I believe the demand was a little stronger for deciduous stock this season. The conifers are becoming more plentiful and competitive. We

had ample trucks all the time, and our only difficult was getting the stock dry enough to ship.

"Our sales were running ahead of last year on May 1, but during May they dropped off, and we will do well to come up to our last year's business.

"One hears a lot about prices having to increase, but we wholesalers find that when we try to increase prices we immediately run into a stone wall. It seems, if anything, there are more price cuts than price increases. We are doing well to hold our prices steady; not that we all couldn't stand an increase, but it doesn't look like we are going to get it.

"We are planting about the usual quantity of material, with small increases, if any. Due to the heavy rains, we aren't through planting yet; ordinarily we are through by the latter part of April."

Noting some gain in sales volume, Henry N. Boyd, Boyd Nursery Co., Inc., McMinnville, Tenn., also mentions weather problems this spring, writing:

"A year ago there was snow throughout the months of February and March. This year the weather

[Continued on page 84]

## Heavy Oregon Trade Reported; California Sales Off Slightly

Wholesalers reporting from the west coast tell of some reduced sales volume in California this spring. Much of this drop-off was in shipping to the east and middle west, where weather was disturbing normal selling routine. A reduction in rose sales was part of the picture.

A mild winter and a warm, dry spring led to early planting. Lack of rain necessitated much use of irrigation, but growing stock is doing well. Rainy week-ends cut down retail sales and did not aid moisture conditions, it is said. Container stock was in demand, and some shortages in popular items developed. Fruit tree sales were normal; shade trees moved in restricted groups. Merchandising trends are being closely watched for their effects on plantings and prices.

In Oregon, optimism was high after a heavy spring trade and a year's advance. Although there has been too much rain there and some labor problems arose, the season has been fine, and heavier plantings are

indicated. Rising shipping costs and lower profits are also cited.

### West Coast Trade Active

While wholesale sales of roses were down a little in California this spring, most other lines found normal or stronger demands, states J. Awdry Armstrong, Armstrong Nurseries, Inc., Ontario, Calif., writing:

"This was the warmest and driest winter experienced in southern California for many years, with almost no frost and little rain. There were about seven inches rainfall at Ontario, five inches at Los Angeles and less than four inches in the San Joaquin valley since last July. It made for easy, uninterrupted harvesting, but made necessary almost continuous irrigation. Because of the warm weather, harvesting and planting operations were one to two weeks early.

"Wholesale sales on roses were down a little, probably due primarily to cautious buying on the part of

[Continued on page 36]

# Scales a Big Threat To Several Ornamentals

Wax scales belonging to the genus *cero*plastes are becoming an increasingly serious pest problem in Maryland. There are few ornamentals that these scale pests do not attack, with hemlock, camellia and holly especially susceptible. Severe infestations will kill healthy trees in about three years, it is declared.

Charles W. McComb, assistant entomologist of the Maryland state department of agriculture and a member of the department of entomology staff of the University of Maryland, College Park, points out that this scale is easily recognized. The prominent overwintering females are attached along the stems of infested plants and have the appearance of large white or cottony drops of wax. The scales are sticky to the touch, one quarter of an inch long, convex and circular, with a dorsal nipplelike projection toward the posterior end. Underneath this waxy covering is found the actual insect, which is pink in color.

## Wax Scale Life History

The life history of this pest in Maryland is given as follows by Mr. McComb: Apparently all overwintering forms are mature females. Eggs are laid early in the spring under the female scale. The number produced by each female may exceed 3,000. Hatching of the eggs occurs for a period of several weeks in the late spring (early in June in the College Park area). After hatching, the young scale (first instar nymph) is smaller than the head of a pin and pink in color. These forms have legs and antennae and are fairly active insects. It is during this crawler stage that the pests are probably spread to adjacent plants by the wind. After the first molt, the insect becomes permanently attached to the plant and does not move. No male scales have been found to date. Outdoors there is a single generation each year. Control depends entirely on the timing of insecticide treatments, Mr. McComb emphasizes. Unless sprays are applied when crawlers first become active in the spring, satisfactory control will not be obtained.

The following spray is recommended by Mr. McComb: Malathion 57 per cent emulsifiable concentrate, two quarts to 100 gallons

of water. (For three gallons of water use one-quarter cup of malathion.) Repeat in seven days.

In Baltimore and certain adjacent sections of Baltimore county, the scale *Fiorinia externa* is proving a destructive pest on hemlocks. However, it is believed to be restricted to that area. Waxy secretions produced by the scales give heavily infested trees a whitewashed appearance, which destroys their value as ornamentals. The feeding of the insects causes needles to turn pale.

The adult female lives within the cast skin of the last immature molt. She is further protected by the hard outer covering that is typical of all armored scales. After the last molt, she begins to lay eggs and eventually fills the posterior part of the scale with eggs. Young scales, known as crawlers, hatch from the eggs and escape from under the female covering. These are active insects, with legs and antennae, which can be clearly seen only with the aid of a magnifying glass. After spreading over the tree they settle down, insert their mouthparts into the plant and begin to feed on the plant juices. After molting, the insects lose their legs and antennae and become fixed in one place. Crawlers occur in greatest numbers in the spring and fall.

Since females continue to produce and protect crawlers over a long period, insecticidal control is often difficult. When sprays are applied,



Wax Scale on English Holly



*Fiorinia externa* Scale on Hemlock

all parts of the tree should be drenched with the solution, especially the undersides of the needles. Unless nearby infested trees are also treated, reinfestation is likely to be rapid.

## Spray Control

Mr. McComb recommends a series of three sprays for control of the pest. Spray first when trees are dormant (before new growth begins in the spring) with a Superior dormant oil or a white oil emulsion with 50-57 per cent malathion added. For a 3-gallon sprayer use one cup of oil plus four tablespoonfuls of malathion. For 50 gallons of spray, add one gallon of oil plus one pint of malathion to water.

Make the second application in early May, with a 50-57 per cent emulsifiable malathion and 25 per cent emulsifiable DDT mixture, and the third application in early June, with the following formula: For three gallons of spray use two tablespoonfuls of malathion plus two tablespoonfuls of DDT. For 50 gallons of spray use one pint of malathion plus one pint of DDT.

Treat again in the fall with DDT and malathion spray if crawlers are noticed or if waxy material reappears on the leaves, it is recommended. When evaluating control, one should remember that dead, dry scale insects may adhere to needles for some time. Live scale insects and eggs will exude moisture if crushed.

Mr. McComb has also called attention to an experimental insecticide known as Cygon-dimethoate, which has given excellent control of hemlock scale with only two applications. The formulation is expected to be available commercially in the near future.



## Sorting the Woody Ornamentals

# Showy Wisteria Still a Problem Vine

By Donald Wyman

Horticulturist, Arnold Arboretum

The Arnold Arboretum wisteria collection now contains some 30 species and varieties, not all that are being grown in this country today, but certainly a goodly representation. Many gardeners have found them easy to grow, still others most difficult, but all agree that they are outstanding when in bloom during late spring.

There are no magical ways of making certain vines bloom. Many articles have been written dealing with the culture of these vines, and it is not the object here to enter into a minute discussion of the topic. Suffice it to say that all vines should bloom; some just won't—at least it may take them 10 to 15 years to produce their first flowers.

### Asexual Propagation Best

It is inadvisable to grow plants from seeds. They had best be propagated asexually from plants known to flower early. Grafted plants of one variety, *Wisteria Issai*, are known to flower when very young, often at 3 years. This has happened with a vine here, but all too frequently valued specimens of other varieties do not bloom for a long time. Then the standard recommendations are to root-prune, to prune the vigorous-growing young shoots, and some-

times to give a feeding of superphosphate. Growers sometimes braid shoots together or ring main trunks or branches, in an effort to force flowering.

There is even a controversy on which soils seem best—that is, in aiding flower production. Planted in a light sandy soil, the plants may grow less vigorously, but tend to produce flowers sooner than when grown in a rich soil where vegetative growth is pronounced. However, E. H. Wilson, who studied this group thoroughly in Japan, made the observation that the larger, better flowering vines were frequently those planted by ponds where they had an unlimited water supply.

W. B. Clarke, San Jose, Calif., who grew many varieties of wisterias and experimented with them for a number of years, related one experience he had with some *W. floribunda* seedlings. He grew them in the ground for eight years, but no blooms appeared. He dug them and grew them in boxes for four more years, but still no blooms were produced. Then he cut them off and grafted them to a good flowering variety. The first year the shoots grew 15 feet; the next year they all bloomed.

There are about nine species of

wisterias in North America and eastern Asia, six of which are growing in the Arnold Arboretum. Of these, three are natives of eastern Asia, two of the eastern United States, and one—the hybrid species *W. formosa*—is a cross between *W. sinensis* and *W. floribunda*.

The Chinese (*W. sinensis*) and Japanese (*W. floribunda*) wisterias have far outstripped the others in popular acclaim, at least in northern gardens, because of their profuse bloom, their large flower clusters and their varieties of varying colors and fragrance.

### Length of Cluster Varies

Varieties are available with flower clusters from six inches to 48 inches in length; in pink, white or varying shades of lilac, and with single or double flowers, some of which are very fragrant. The double-flowered varieties make poor ornamentals because their bloom is erratic and the double flowers quickly decay in wet weather.

*Wisteria frutescens*, native on the east coast from Virginia to Florida and Texas, is not a strong vine and has not bloomed with us in recent years. *Wisteria macrostachya* is perfectly hardy, but blooms late, after the leaves are developed, so that blooms are considerably hidden by the foliage. *Wisteria venusta* has poor flowers when compared with its two Asiatic relatives. *Wisteria formosa* might be considered even a better ornamental than *W. sinensis* because it is deliciously fragrant.

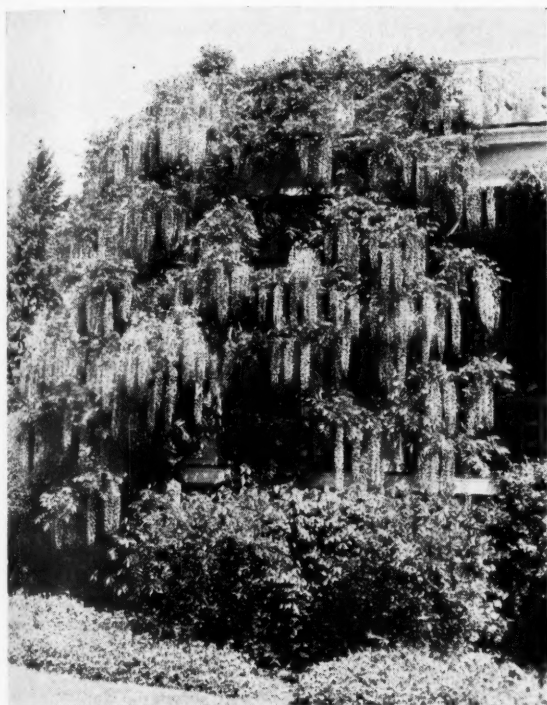
The longest flower cluster I have measured in the collection at the Arnold Arboretum was 36 inches long, but E. H. Wilson has measured clusters to 64 inches long on well-grown specimens in Japan. Soil, moisture and general culture all enter into the picture as far as length of bloom is concerned. The point is that there are some varieties which, if given optimum growing conditions, will produce flower clusters three to four feet in this country.

The genus was named in honor of Dr. Caspar Wistar (1761-1818), professor of anatomy at the University of Pennsylvania. The first spe-

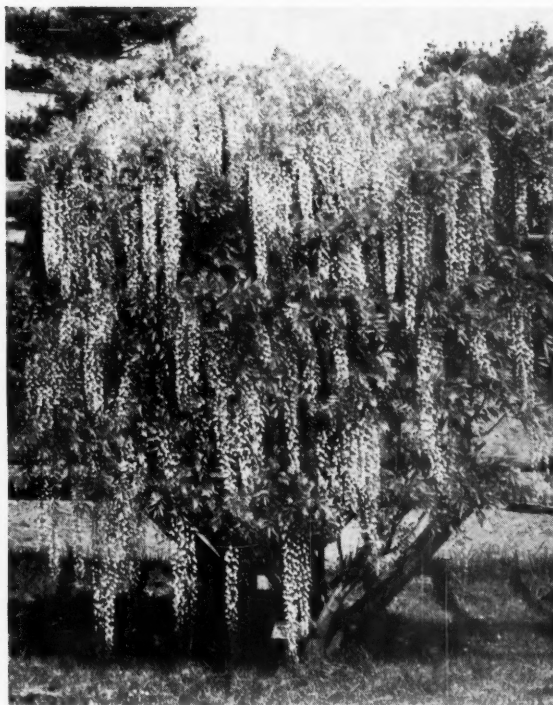


*Wisteria Floribunda Longissima Alba*





Wisteria Floribunda (Multijuga)



Wisteria Naga Noda

cies named was *W. frutescens*. About the same time, seeds of *W. sinensis* were first sent to England, where they were grown, and it was not long before some reached this country.

The Japanese wisteria, *Wisteria floribunda*, was first sent to the old Parson's Nursery, Flushing, L. I., N. Y., by Dr. George R. Hall, whom we have to thank for several of our very best ornamentals. This was done in 1862. *Wisteria formosa* was named from a plant growing on the Sargent estate at Brookline, Mass., about 1905.

*Wisteria floribunda* *Violaceo-Ple* na first flowered in the garden of Francis Parkman, Jamaica Plain, Mass., before 1875. The original *W. floribunda* *Rosea*, in this country at least, was probably that found in a garden owned by a Japanese years ago in California. The entire place was bought by the late Henry S. Huntington, San Marino, Calif., primarily to preserve this beautiful vine. The Arnold Arboretum received scions from this plant in 1917. Later, further exploration and the growing of many seeds in this country have resulted in other varieties.

If seeds of *W. sinensis* are sown, the resulting plants will not vary

much, but seedlings of *W. floribunda*, formerly *W. multijuga*, vary considerably both as to flower color and flower size.

#### Identification

Since most wisterias, in northern gardens at least, are either varieties of *W. sinensis* or *W. floribunda*, distinguishing characteristics between them are needed. These are given in the table herewith.

The accompanying key is offered merely as a help in identification. It is always best to consult a standard botanical reference with complete keys when positive identification is necessary. It should be pointed out that the two native wisterias, *frutescens* and *macrostachya*, and *W.*

*venusta* do not appear often in northern gardens, as they are not among the better ornamental types.

*Wisteria formosa* may appear, for it is a hybrid and a very beautiful one, too. The flowers appear similar to those of its Chinese parent; the fragrance and twining are similar to those of its Japanese parent. The plant in the Arnold Arboretum came from the old Sargent estate at Brookline. It might well be that other clones of this cross would show other characteristics.

#### Twining

It is of considerable interest to note that the wisterias can be sharply divided into two groups by the

[Continued on page 68]

#### Distinguishing Characteristics

	<u>Wisteria Sinensis</u>	<u>Wisteria Floribunda</u>
Length of flower cluster	6 to 12 inches	8 to 48 inches
Fragrance of flowers	Slightly fragrant	Fragrant
Leaflets	7 to 13, large	13 to 19, small
Autumn color	None	Yellow
Time flowers appear	Before leaves appear	With the leaves
Twines by climbing from	Left to right	Right to left

#### Key to Wisteria Species

- Vine twines by climbing from left to right:  
 Flower clusters 2 to 5 inches long ..... *W. frutescens*  
 Flower clusters 6 to 14 inches long:  
 Leaflets usually about 9 ..... *W. macrostachya*  
 Leaflets 7 to 13 ..... *W. sinensis*
- Vine twines by climbing from right to left:  
 Flower clusters 4 to 6 inches long ..... *W. venusta*  
 Flower clusters 8 to 48 inches long:  
 Leaflets 13 to 19, flowers open progressively downward .... *W. floribunda*  
 Leaflets 7 to 15, flowers open all together ..... *W. formosa*

The illustrations accompanying this article were made from photographs supplied by the Arnold Arboretum, Jamaica Plain, Mass.

# Nursery Entries Highlight Oregon Garden Parade

By Charles H. Potter

Planning which began seven months ago culminated in one of the best presentations to date of the Multnomah "Parade of Gardens," held April 26 to 30 in buildings of the Multnomah county fairgrounds, Gresham, Ore. The eighth annual showing of landscaping and spring flowers again was the result of the joint efforts of the Oregon Association of Nurserymen; Landscape Gardeners, Inc.; Oregon Florists' Club, and Multnomah county.

Huntington & Roth, landscape architects, designed the beautiful theme garden which was called "Enchanting Gardens and Water Wonderland." Harold Miller, Miller's Landscape Service, Milwaukie, was chairman of the event, and Frank Morishita, Fairdale Nursery Co., Troutdale, was co-ordinator.

M & M Rock Co. furnished the lava rock used in the theme garden and the individual displays. The county furnished sod, sawdust and lumber, as well as manpower to install such materials. Otherwise, the nurserymen, landscape gardeners and florists did all the work.

## Theme Gardens

The show was housed in eight buildings. Sixteen individual displays were entered by landscape gardeners and nurserymen. A large number of florists joined hands to fill their building with attractive patio displays and mass displays of roses and carnations, tropical flowers, potted plants and shadow boxes.

The theme garden covered 16,000 square feet in the show's largest building and required the work of over 100 landscape gardeners and nurserymen to complete it. The rolling lawns, winding paths and intricate landscaping resulted in a composite idea of many gardens, and each one visiting the show could visualize a niche, a border or larger area transplanted to his own home to fit a landscape need existing there.

A winding path, forming a letter "S" in the first half of the theme garden, rose to a higher level from where, beneath an eye-pleasing arbor, the viewers could look into the second half of the garden, which was dominated by a large pool.

Water from an aqueduct fell into the pool below, which was surrounded by specimen trees and shrubs and a large bed of primroses. The pathway skirted two sides of the pool. Opposite the pool on the other side of the path were borders and beds and rolling lawn. The beauty of the scene was accentuated by well-placed lighting. Emphasis this year in the theme garden was on simplicity, showing the public ideas easily adaptable to home use, and on good, bright lighting, which made it easy to see the plants and displays.

## Special Displays

There was double value for gardeners who visited the show. Every plant in the theme garden had its duplicate in an adjoining building, where it was properly identified with a tag giving its name, variety, growth habits, color, height, etc. Experts were on duty at all times to answer questions. Mr. and Mrs. Paul Stenzel, who operate a Portland nursery, were in charge of this building.

Among the individual exhibitors and their displays were the following:

Shady Lane Landscape Nursery, Vancouver, Wash., had a garden scene which featured huge, green bamboo stalks rising from the

ground to the ceiling. Schmidt Bros. Nursery, Troutdale, Ore., used an Oriental theme for a display that showed dwarf evergreens, rocks and driftwood. Abbott's Green Thumb, Portland, caught eyes with round stepping blocks of tree sections laid through a garden scene.

The Rhododendron Nursery, Portland, had a colorful display of azaleas and rhododendrons. The Holgate Nursery Co., Portland, entered a lovely garden scene of simple taste, which held azaleas, tulips and primroses, with white rock. Sharp's Nursery, Portland, centered its display with a small-size wheelbarrow filled to capacity with attractive garden plants. Garden tools rested against the wheelbarrow, and on it lay a pair of gloves. Azaleas and evergreens were the principal plants used to enhance the beauty of the display.

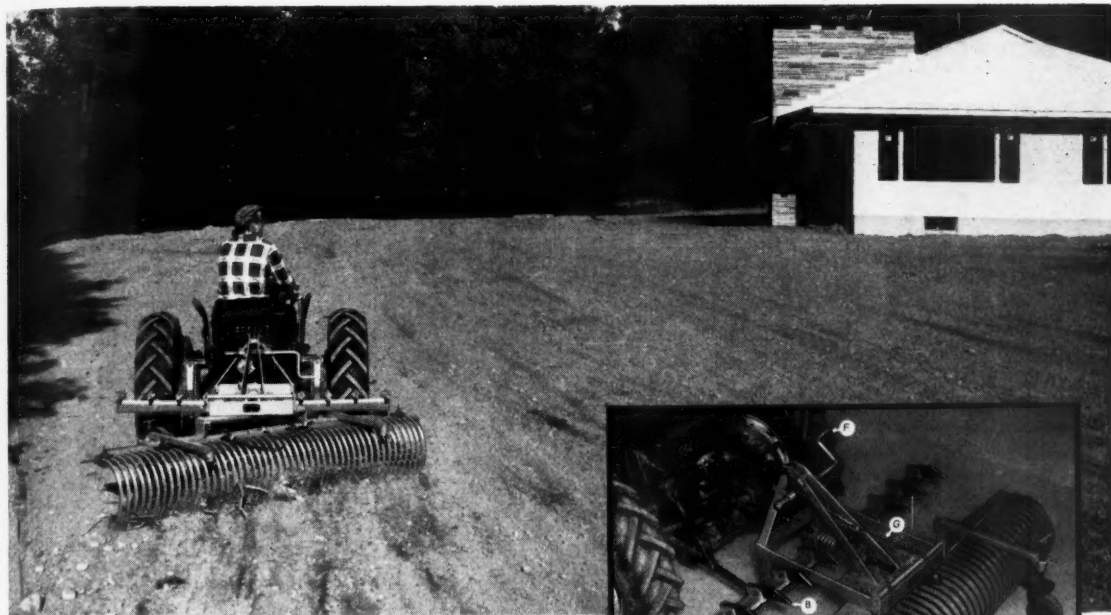
Seven Dees Nursery, Portland, had a colorful display featuring azaleas, rhododendrons and other fine plants in full bloom. May's Landscape Nursery, Vancouver, Wash., artistically displayed a wide variety of fine shrubs and ground covers. Surface Nursery, Gresham, Ore., attracted considerable attention with a display that featured the magic of moving water in the form of a stream which spilled into a pool below. Red lava rock formed the stream bed and pool outline. Two lovely pieces of driftwood highlighted the display, which also used red cut-leaved maples, rhododendrons and azaleas for color.

George's Garden, Portland, used an attractive display of rocks crowned with growing dwarf trees, shrubs and moss. The Lath House, Portland, used evergreens, rhododendrons and azaleas in an attractive bed to circle a colorful group of yellow primroses in the center. Pacific Natives Nurseries, Inc., Portland, highlighted an attractive garden scene of native shrubs and plants with a wooden planter and driftwood.

Bond's Gardenside Nursery, Portland, used a pergola, from which hung a number of beautiful fuchsias of various colors. Garden furniture was used beside a pool, which was surrounded by azaleas and other flowering plants. Wood Floral Co., Portland, exhibited valuable bonsai plants and other unusual plants, which attracted the attention of all. West Side Landscape Nursery, Portland, created a garden scene with an inviting bench, steppingstones, a birdbath and attractive shrubs and plants.



Harold Miller, left, general chairman, and Frank Morishita, co-ordinator, of the Multnomah "Parade of Gardens," at Gresham, Ore.



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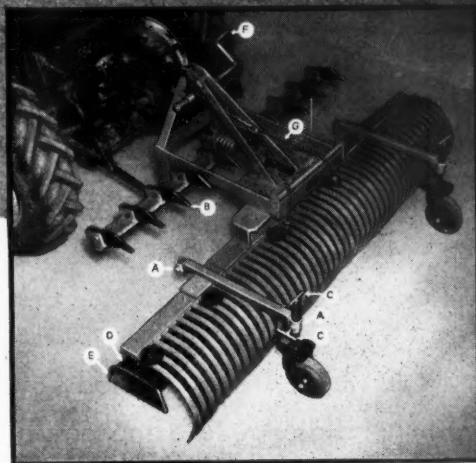
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## COMING EVENTS

### MEETING CALENDAR

June 7 and 8—California Association of Nurserymen, annual nurserymen's refresher course, California State Polytechnic College, San Luis Obispo.

June 11 to 13—Alabama Nurserymen's Association, annual convention, Albert Pick motel, Huntsville, Ala.

June 11 to 13—South Carolina Nurserymen's Association, annual convention, Francis Marion hotel, Charleston, S. C.

June 15 and 16—Short course for Florida nurserymen and growers, University of Florida, Gainesville.

June 16—Landscape Materials Information Service, summer meeting, Allenberry "On the Yellow Breeches," Boiling Springs, Pa.

June 19 to 21—Kentucky Nurserymen's Association, summer meeting, Ken-Lake hotel, Kentucky Lake state park, Hardin, Ky.

June 19 to 24—Advanced management conference, Syracuse University's Minnowbrook conference center.

June 20 to 23—Western chapter, National Shade Tree Conference, University of British Columbia, Vancouver, Canada.

June 24 to 26—Mississippi Florists' and Nurserymen's Association, summer meeting, Heidelberg hotel, Jackson, Miss.

June 25 to 27—Plains Nurserymen's Association and New Mexico Association of Nurserymen, joint convention, Western Skies motel, Albuquerque, N. M.

June 25 to 27—Missouri State Nurserymen's Association, summer meeting, Holiday Inn motel, Columbia, Mo.

July 5—Connecticut Nurserymen's Association, summer meeting, Lake Compounce, Bristol, Conn.

July 9 to 12—Canadian Association of Nurserymen, 38th annual meeting, Hotel Vancouver, Vancouver, B. C., Canada.

July 10 to 12—American Society of Landscape Architects, annual meeting, Harvest House hotel, Boulder, Colo.

July 11—Pennsylvania Nurserymen's Association, western region, summer meeting, Eisler Nurseries, Butler, Pa.

July 13—Ohio chapter, National Shade Tree Conference, summer meeting, Cumberland, O.

July 15 to 20—American Association of Nurserymen, annual convention, Statler Hilton hotel, Washington, D. C.

July 25 and 26—Michigan landscape and nursery conference, Kellogg Center, Michigan State University, East Lansing, Mich.

August 1 and 2—Indiana Association of Nurserymen, summer meeting, Evansville, Ind.

August 1 to 3—Illinois State Nurserymen's Association, short course, Morton Arboretum, Lisle, Ill.

August 2—Massachusetts Nurserymen's Association, summer meeting, H. V. Lawrence, Inc., Falmouth, Mass.

August 2—New Jersey Nurserymen's Association, summer meeting, Howe Nurseries, Pennington, N. J.

August 2 to 4—West Virginia Nurs-



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You'll also want your firm prominently represented in that issue because of its use as a buying guide. Nearly all the growers and suppliers selling to the nursery industry take display space in this special issue . . . providing readers with the greatest amount of product information available in any one issue. For this reason, readers retain the issue for future reference when buying decisions are to be made. Your advertising in the special issue continues to work for you long after the convention is over. Take adequate space to present your message in the best possible way; a well-planned, attention-getting advertisement in the July 1 issue will bring you significant sales results.

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erymen's Association, summer meeting, West Virginian hotel, Bluefield, W. Va.

August 6 to 8—National Mail Order Nurserymen's Association, annual meeting, Hotel La Salle, Chicago, Ill.

August 6 to 8—Southern Nurserymen's Association, Hotel Peabody, Memphis, Tenn.

August 13 to 18—A. A. N. management conferences, Sagamore conference center of Syracuse University, near Raquette Lake, N. Y., and Lake Arrowhead conference center of the University of California, Lake Arrowhead, Calif.

August 15 to 17—Ohio Nurserymen's Association, summer meeting, Lake Hope state park, Zaleski, O.

August 17 — New England Nurserymen's Association, summer meeting, Boulevard Nurseries, Newport, R. I.

August 20 to 23—Texas Association of Nurserymen, annual convention, Galvez hotel, Galveston, Tex.

August 20 to 25—National Shade Tree Conference, annual convention, Leamington hotel, Minneapolis, Minn.

### WESTERN TREE CHAPTER

"The Tree and the Metropolis" is the conference theme of the 28th annual convention of the Western chapter of the National Shade Tree Conference to be held June 21 to 23 on the campus of the University of British Columbia, Vancouver, B. C., Canada. A detailed program of the sessions follows:

#### JUNE 20

1 p. m.—Registration, University of British Columbia, Vancouver, B. C., Canada; tour of campus and visiting exhibitors' displays.

6 p. m.—Reception, by hospitality committee.

#### JUNE 21

8 a. m.—President's breakfast.

9 a. m.—Call to order, by Dr. John W. Neill, president, Western chapter of the National Shade Tree Conference.

Welcome, by a representative of the University of British Columbia.

Reply, by Leslie Mayne, Mayne Tree Expert Co., San Mateo, Calif., vice-president.

Appointment of committees and introduction of chapter officers.

Problems of Shade Tree Establishment in Rain Forest Areas:

9:30 a. m.—"Coniferous Shade Trees in Suburban Development," by Dr. Philip G. Haddock, faculty of forestry, University of British Columbia.

11 a. m.—"A Clinical Approach To Determine the Degree of Local Tree Vigor," by Dr. John A. Bier, department of biology and botany, University of British Columbia.

12 m.—Lunch. Address: "Trees in Community Life," by Dr. L. C. Chadwick, department of horticulture, Ohio State University, Columbus.

The Tree and the Metropolis:

2 p. m.—"Tree Treatment on City Streets," by W. H. Warren, parks administrator, Victoria, B. C.

3:30 p. m.—"Architectural Aspect of Shade Trees," by Dr. Donald Martel, Oregon State College, Corvallis.

6 p. m.—Cocktail party.

7 p. m.—Banquet, Canyon Gardens restaurant, North Vancouver. "Conserva-

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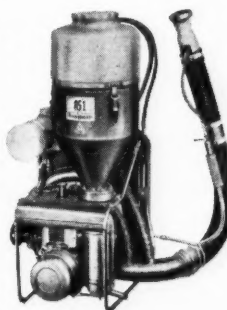
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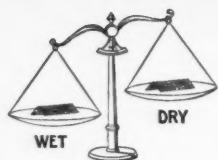
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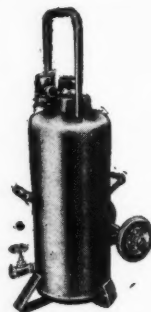
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servation and recreation, Victoria.

9:30 p. m.—Dancing; floor show.

### JUNE 22

8 a. m.—Past presidents' breakfast.

9 a. m.—Tour of selected areas of  
Vancouver and suburbs.

12 m.—Lunch.

2 p. m.—Public utility arborists' ses-  
sion, C. E. Lee, line clearance supervisor,  
Southern California Edison Co., Los An-  
geles, Calif., chairman.2 p. m.—Municipal arborists' session,  
Brian Fewer, chairman.

2 p. m.—Commercial arborists' session.

2 p. m.—Arboretum session, Brian O.  
Mulligan, chairman.4 p. m.—"Streetscapes," by Clive Jus-  
tice, landscape architect.7 p. m.—Tour of Nitobe Gardens and  
campus.8:30 p. m.—"Some Observations on  
Trees in Japan," slide lecture, by Dr.  
T. M. C. Taylor, University of British  
Columbia.

### JUNE 23

9 a. m.—Slides, films and exhibitors'  
demonstrations.11 a. m.—Business session. Committee  
reports, president's report and election of  
officers.

12 m.—Barbecue lunch.

2 p. m.—"The Tree and the Metropo-  
lis," panel discussion, with Dr. John W.  
Neill, moderator, and panel members  
Clive Justice; Fred Hollingsworth, archi-  
tect; W. H. Warren, and H. M. Eddie,  
director, Canada Nurserymen's Associa-  
tion.

4:30 p. m.—Closing ceremonies.

### SOUTH CAROLINA MEET

The annual convention of the  
South Carolina Nurserymen's Asso-  
ciation is scheduled for June 11 to  
13 at the Francis Marion hotel,  
Charleston, S. C. The meeting, with  
the program including talks on  
nematodes, landscaping, irrigation  
and credit, offers events as follows,  
according to George M. Gottlieb,  
executive secretary:

### JUNE 11

3 p. m.—Registration.

7:30 p. m.—Social hour.

### JUNE 12

9 a. m.—Opening session. President's  
address and committee reports.9:45 a. m.—"Latest Developments in  
the Nematode Situation," by George  
Fassuliotis, United States Department of  
Agriculture.10:15 a. m.—"Irrigation Pumps and  
Problems," by Wilson Ambrose, Charle-  
ston Supply Co., Charleston, S. C.11 a. m.—Horticultural news, by J. P.  
Fulmer and Paul Alexander, department  
of ornamental horticulture, Clemson Ag-  
ricultural College, Clemson, S. C.

1:15 p. m.—Harbor trip.

7 p. m.—Social hour.

8 p. m.—Banquet.

### JUNE 13

8 a. m.—A. A. N. breakfast, Dutch  
treat.9:10 a. m.—Talks by garden club  
representatives.9:30 a. m.—"Credit and Finance  
Problems of Small Business," by Richard  
B. Grimboll, Citizens' & Southern Na-  
tional bank.

10 a. m.—"Landscape Architecture,"



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Str. and Br.

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Str.

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(Prunus tomentosa)

**Mahaleb Cherry Seedlings**

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**Combination carloads to eastern distributing points.**

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## DWARF SPREADING JAPANESE HOLLY

*Ilex crenata compacta*, 12 ins. to 4 ft.

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### LINING-OUT STOCK HARDY ORNAMENTALS

CHOICE VARIETIES — FINEST QUALITY

We carry in season a very large selection of the best varieties (the real money-makers) in several grades, all of which are hardy here in northern New Jersey, as well as farther north. Our prices are right, and our quality and service are completely satisfactory. Quantity and pickup discounts are regularly given. Whether you write, phone or visit, we welcome your questions and the opportunity to help you with your lining-out requirements.

**JOHN VERMEULEN & SONS, Inc., NESHANIC STATION, N. J.**

*Growing Top-Quality Hardy Liners Exclusively since 1921*

## SPECIMEN ILEX CONVEXA

One of the largest blocks of hardy, northern-grown *Ilex*. Heavy, well-sheared plants with exceptionally good color. Prices are each per 100 (25 or more). Write for special quotation on large quantities.

2½ to 3 ft. ....	\$4.75
3 to 3½ ft. ....	5.75
3½ to 4 ft. ....	6.75
4 to 4½ ft. ....	9.00

## ANGELICA NURSERIES

R. D. No. 1

Mohnton, Pa.

### PIERIS JAPONICA

The most beautiful broad-leaved evergreen of all. In summer the color of the foliage is always changing, first red, then pale green and then dark green. In August the flower buds form in graceful racemes for next spring's flowers. White, "Lily of the Valley" flowers appear with the first warm weather, and flowers often last 6 weeks. Grows well in sun or shade. Makes a nice contrast with Azaleas and Rhododendrons.

4 to 6 ins., T. ....	15c
6 to 8 ins., T. ....	20c

**ALANWOLD NURSERY**  
Neshaminy, Bucks Co., Pa.

### RHODODENDRONS AZALEAS ILEX PYRACANTHA

For Quality Stock in All Sizes

### WELLS NURSERY

Red Bank, N. J.

feature talk by Edward L. Daugherty, landscape architect, Atlanta, Ga.

### MISSISSIPPI PLANNING

In announcing the program for the summer meeting of the Mississippi Florists' and Nurserymen's Association, at the Heidelberg hotel, Jackson, Miss., June 24 to 26, C. O. Box, secretary-treasurer, indicates a change from last year's plan of holding separate growers' and retailers' sessions. Because of the members' combined interests, growers' talks this year will be presented at intervals in the designers' participation.

After registration the afternoon of June 24, there will be a party in the evening, starting at 6 o'clock. Sunday, June 25, there will be breakfasts for three groups, the designers, the association directors and members of the Mississippi chapter of the American Association of Nurserymen. At 10 o'clock the design work will be started at a general assembly. After lunch, the afternoon will be devoted to design work and growers' talks, while a party is scheduled for the evening.

Monday, June 26, the combined retailers' and growers' program will continue from 9 a. m. to 5 p. m., except for lunch. The grand centennial ball will then be held in the evening, with the presentation of officers.

### NEW YORK EVENTS

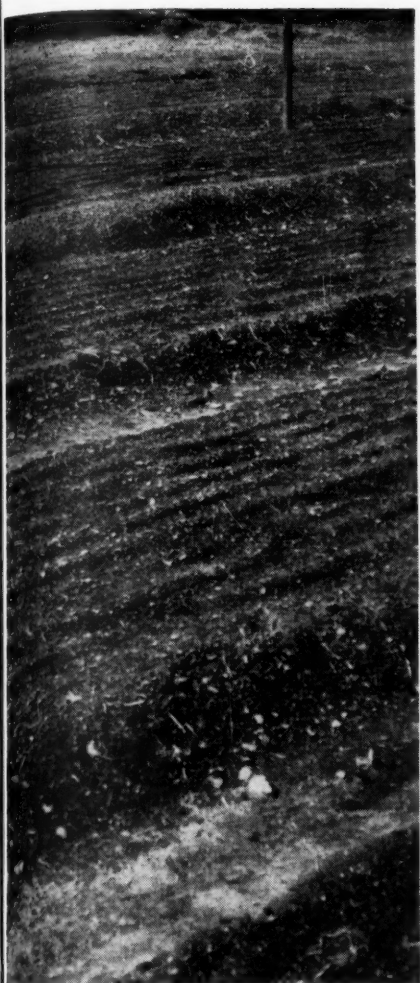
The Northeastern Nurserymen's Association, which has affiliated with the New York State Nurserymen's Association, is sponsoring a trip to Sterling Forest Gardens, Tuxedo, N. Y., by bus June 29. Another summer event being planned by the group is a nursery tour and picnic at the F. A. Guernsey Co., Schoharie, N. Y., August 3.

The annual meeting of the association will be held October 5, at the Parrott House, Schoharie, according to William Francis, Ken-Fran Farm, Hudson Falls, secretary-treasurer.

### WEST VIRGINIA DATES SET

Nursery tours and a picnic are included in the tentative plans announced for the summer meeting of the West Virginia Nurserymen's Association at Bluefield, W. Va., August 2 to 4, by F. Waldo Craig, secretary-treasurer. The Virginian hotel will be headquarters.

On the visiting list are the Cole Nurseries at Bluefield and in Raze-well county, Virginia; Greenwood



Greenhouse manager, FRED J. WERNER, examines clean soil as MR. STUBER looks on with approval. Photo at left shows part of 6,000 square foot area treated with VAPAM more than six weeks previously.

## "VAPAM® cleans soil better than anything else"

*Says: FRED STUBER, Yonkers, N. Y., nurseryman*

Stuber's Flower Shop and nursery has catered to the public in southern Westchester County, N. Y., since 1888. Stuber's grows most of its own plants and flowers, and retails all it grows. Third generation Fred Stuber, now president of the firm, has this to say about VAPAM soil fumigant:

"We've used VAPAM for three years. We find it's easy to apply and economical to use . . . much cheaper than hand weeding. It has just about eliminated our weed problem. We even treat walkways. VAPAM gives us better control than anything we have ever used."

More and more progressive, profit-wise nurserymen like Fred Stuber are learning

that it pays to clean soil with VAPAM. Just one pre-plant application knocks out weeds, nematodes and most other soil pests.

VAPAM is a liquid fumigant that doesn't require special application equipment. It does not leave harmful residues in the soil after the fumigant disappears. And here's the pay-off: (1) VAPAM drastically cuts expenses for weeding and cultivating, (2) it gives plants a chance to grow faster and better in weed-free, disease-free soil.

Clean *your* soil with VAPAM. See your local supplier, or write for further information to Stauffer Chemical Company, 380 Madison Avenue, New York 17, N. Y.

© Stauffer's Reg. T.M. for a soil fumigant.





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**CONNECTICUT VALLEY GROWN FOR QUALITY  
TAXUS**

HEMLOCKS  
ARBORVITAE  
JUNIPERS  
SHRUBS  
TREES

WE WELCOME YOUR VISIT ANY TIME

**NURSERIES AT PIGEON HILL RD., WINDSOR, CONN.**

**PACHYSANDRA TERMINALIS**

	Per 100	Per 1000
1-yr., field-grown .....	\$ 5.00	\$ 45.00
Lots of 3000 .....		42.50
2¼-in. pot-grown, 2 to 3 plants per pot .....	12.00	105.00

**VINCA MINOR BOWLES VARIETY**

2¼-in. pot-grown .....	16.50	150.00
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**HANSEN BROS. NURSERIES, INC.**

Phone: 215 MO 4-3923      Narberth, Pa.

**TAXUS SEBIAN INTERMEDIA**

This is an origination of the late Mike Sebian's nursery, Painesville, Ohio. It has proved hardy and has a fast rate of growth. We feel this variety is one of the best for the mid-western states.

	Per 100	Per 1000
2-yr., T. ....	30c	27½c
3-yr., T. ....	40c	37½c

Write for price of 5000 and 10,000 quantity.  
Samples sent upon receipt of postage.

**VERKADE'S NURSERIES**

P. O. Box 336      New London, Conn.

**WHOLESALE GROWERS**

Seedlings—Transplants—Potted and Field Liners—Finished Stock  
Taxus a specialty.  
Complete catalog on request.

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247 Freeport Rd.  
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**IF YOU'RE LOOKING  
FOR QUALITY  
EVERGREEN SEEDLINGS  
OR  
CUT CHRISTMAS TREES**

Why not write today —

**SCHROTH'S NURSERY**  
R. D. 2      Clymer, Pa.

**HESS' NURSERIES  
LINING-OUT  
STOCK**

**Wayne, New Jersey**

Nurseries, Princeton, W. Va., and other nurseries in these vicinities. The picnic will be held at the Summers county nursery of the Cole Nurseries, near Pipestem.

#### INDIANA SUMMER MEETING

The Indiana Association of Nurserymen has set August 1 and 2 as the dates for its 1961 summer meeting, according to Donald L. Schuder, executive secretary. The meeting will be held at Evansville, Ind., with the Nurserymen's Association of Greater Evansville acting as host.

#### WASHINGTON CANCELS

Washington State Nurserymen's Association, Inc., will not hold a summer convention this year, according to a recent announcement from Mrs. John R. Alkema, W. S. N. A. secretary.

#### SHRUB REGISTRATION LISTS PUBLISHED

Several registration lists of cultivar names of shrubs, initiating a work in this regard by the Committee of the American Association of Botanic Gardens and Arboreta, have been prepared and published by the Arnold Arboretum, as noted in an earlier issue of this magazine. Four genera have so far been covered—cornus, gleditsia, forsythia and pieris. In the interests of proper naming of their plants, nurserymen concerned will wish to have copies of the bulletins containing these registration lists, which are available at cost, the cornus registration list at 20 cents and the lists of gleditsia, forsythia and pieris at 10 cents each. Copies of these lists will be mailed, as long as the supply lasts, by the Arnold Arboretum, Jamaica Plain 30, Mass. Stamps are acceptable.

#### OHIO BOTANICAL GARDEN

After 12 years of development and preparation, Gardenview, Strongsville, O., is in the process of being dedicated as Gardenview Horticultural Park and Botanical Garden. Henry A. Ross, director, is seeking information on work done with cherry understocks other than Mazzard or Mahaleb. He asks anyone having knowledge of such work to contact Gardenview at 16711 Pearl road, Strongsville 36, O.

NEWLY opened are Buckmount Nurseries, Inc., at 795 East Main street, Lansdale, Pa.

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## FROM EVERY ANGLE

John S. Armstrong  
All-America 1962



## THE MOST PROFITABLE NEW ROSES ARE BY ARMSTRONG

## PERFORMANCE

Bred with scientific care, to be sold with  
complete confidence — to be grown  
with complete satisfaction anywhere  
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presells more convincingly — more  
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# THREE GREAT ROSE FIRSTS

From Armstrong Research

John S Armstrong

All-America Winner 1962

Like its incomparable parent, Charlotte Armstrong, John S. Armstrong is an all-area, all-climate rose, one which is unrivaled in its color class for the richness and glowing "aliveness" of its dark red coloring and a rose outstanding among dark reds for its color retention. From bud to fully opened flower, the rich color holds, never burning or bluing, even in adverse weather.



Here is a Grandiflora which truly represents its class — one which flowers early and with amazing profusion. The velvety blooms, each on a sturdy, strong-necked cutting stem, are borne singly and in clusters. In long-lasting substance, John S. Armstrong is absolutely unexcelled. On the plant or cut for indoors, the blooms will last up to ten days or more. The strong, upright, free-branching plant shows a remarkable resistance to the common foliage troubles which are so often the plague of other deep red kinds. Plant Pat. No. 2056.

*We have searched 20 years  
for a rose good enough to  
carry the name of the  
founder of Armstrong  
Nurseries.*

## ● JOHN S. ARMSTRONG *First Color*

Winner of All-America honors in its class for an exciting new Armstrong introduction.

## ● COUNTY FAIR *First Quality Rose*

Especially hybridized landscape rose for low cost rose planting.

## ● HYBRID 311 *First Rose Hybrid*

Offers yards of beauty at pennies a foot and to behave as a "fence" or "hedge" rose.

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# TO GIVE YOU NEW PROFITS FROM A WHOLE NEW MARKET



## Fence Rose HYBRID 311 (Left)

Fences of stone, wire and wood are expensive – and dull! Hybrid 311, hybridized exclusively for the purpose, provides an ever-flowering fence or hedge which no sprawling old-time rambler can match.

Thickly foliated and compact, the sturdy upright plants will grow to about 5 feet in height and will be almost continuously smothered with clusters of colorfast, vivid red flowers. Simple to plant, easy to maintain, Hybrid 311 can be trimmed and trained with hedge shears. Plant Pat. No. 1885.

## Landscape Rose COUNTY FAIR (Below)

The most versatile, functional flowering shrub for gardens from coast to coast. It's the first new patented rose ever available at so low a cost — makes mass planting of everblooming roses available to everyone! The rounded, 3½ to 4 foot plant is just right for a low "fence" or "border," or for a mass planting, one which is literally smothered with dainty pink buds and blooms all season long — never dull, never dingy from the time the buds open until the last petal falls to make way for another burst of bloom. Plant Pat. No. 1897.

## They're Roses With 1000 Uses!

Brilliant Hybrid 311 and colorful County Fair are completely new hybrids bred exclusively to bring greater versatility and economy into rose plantings. Now, the "landscape with roses" idea becomes more practical than ever with these quick-starting, early-flowering, everblooming roses — superior to annuals or perennials for color and permanence, brighter and gayer over a longer season than common garden shrubs, deciduous or evergreen.



**G Firstolorfast Dark Red**

honors in the class for 1962. The most  
introduction of the Armstrong.

## Quality Row Cost Mass Planting

andscape never to colorful, permanent.

## Hybridically For Fences

pennies along has created this hybrid "hedge" re-

**urseries California**



# Double Duty Peach Trees!

Now, thanks to Armstrong research, you can sell one tree to do the work of two! Both Saturn and Double Delight welcome spring with a colorful cloud of big double blooms as breathtaking as any you'll see on the showiest of flowering peach varieties. Then, both will produce an abundance of luscious, big, juicy peaches, instead of fruit which is inedible.

← Each spring, Double Delight is a garden showpiece. In July, it becomes a treasure trove of delightfully delicious, golden fruits. →

## DOUBLE DELIGHT

A perfect companion for Saturn because it blooms later, to stretch the flowering season, fruits earlier, for a longer fruiting season. The double blooms are delicate shell-pink, lighter in color than those of Saturn while the big, juicy, yellow-fleshed freestone peaches in early summer are as attractive as those of any peach you can name. They've a lip-smacking flavor, somewhat sweeter and milder than that of Saturn. Plant Pat. No. 1787.

## SATURN

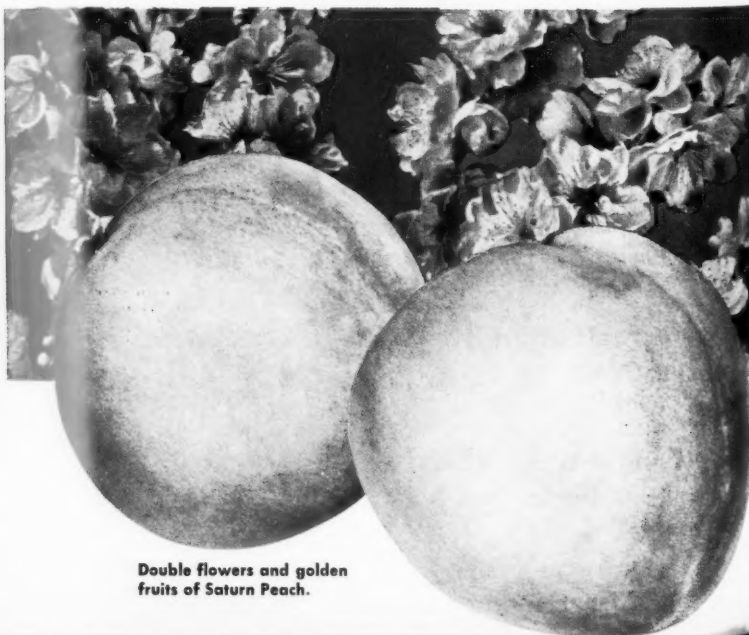
Every spring the tree is smothered under a blanket of beautiful, double, rose-pink flowers — a magnificent neighborhood showplace with plenty of flowering branches to cut for indoors, too. In midsummer, the tree is loaded with big, yellow-fleshed, freestone peaches — so good Saturn is worth growing for its fruit alone. Just the right amount of tang to make the rich peach flavor extra tempting. Plant Pat. No. 1485.



**Flowers & Fruit  
The Perfect Peach  
Trees For Every  
Home Planting**

**Write Today For Our Wholesale  
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**Armstrong Nurseries  
Ontario, California**



Double flowers and golden  
fruits of Saturn Peach.

## COVER ILLUSTRATION

## Wisteria Sinensis and Floribunda

The photograph reproduced on the cover shows an interesting combination of the two most important ornamental wisteria species growing together. They were photographed on the old Case House of the Case Estates, belonging to the Arnold Arboretum, at Weston, Mass. The owner, Miss Louisa Case, was much interested in woody plants and was especially interested in these vines on her house.

Miss Case closely watched them each spring for 15 years, noting that the one on the left, the Chinese wisteria, *W. sinensis*, bloomed well every spring, but the rampant growing one on the right, the Japanese wisteria, *W. floribunda*, never bloomed. This picture was taken the 16th year after the plants had been planted—ample proof that if one is patient enough the “slow-to-bloom” wisteria will eventually produce flowers.

The Chinese wisteria is the more popular of the two, probably because it has been in America longer. The Japanese wisteria is the harder, and some of the varieties have extremely long flower clusters, between 36 and 52 inches. Some of those in the picture are easily 30 inches long, and as far as I know, no special treatment was given this vine to force it into flower.

All the flowers on the cluster of the Chinese wisteria open together, making quite a display; but on the Japanese wisteria they open progressively, from the base of the cluster to the tip. As a result, some time before the flowers at the tip are in full bloom, those at the base of the cluster have faded or have fallen off. The longer the cluster, the more conspicuous this is, unless the weather has been such as to force the flowers into bloom closer together than usual.

Both species are excellent ornamental twining vines. The Chinese has few varieties, but a good white one is available. The Japanese has many varieties, but some are decidedly mediocre. Some are longer than others. The pink-flowered variety is, of course, one of the best.

Donald Wyman.

FORD'S NURSERY was recently opened by Mr. and Mrs. H. C. Ford, at Townsend, Mont.

## PIKES PEAK NURSERY STOCK

**Quality Seedlings  
and Transplants  
for Your Big Spring  
Planting Plans**



## SCOTCH PINE

(*Pinus sylvestris*)

	Per 100	Per 1000
(2-0), 2-yr., S., 2 to 3 ins. . . .	\$ 7.50	
(2-0), 2-yr., S., 4 to 6 ins. . . .	2.50	15.00
(3-0), 3-yr., S., 7 to 14 ins. . . .	3.75	25.00
(2-2), 4-yr., T., 8 to 15 ins. . . .	6.75	45.00

## WHITE PINE

(*Pinus strobus*)

	Per 100	Per 1000
(2-0), 2-yr., S., 3 to 5 ins. . . .	3.00	20.00
(3-0), 3-yr., S., 5 to 12 ins. . . .	4.50	30.00
(4-0), 4-yr., S., 8 to 16 ins. . . .	6.00	40.00
(2-2), 4-yr., T., 6 to 14 ins. . . .	8.25	55.00

## COLORADO BLUE SPRUCE

(*Picea pungens*)

	Per 100	Per 1000
(2-0), 2-yr., S., 4 to 6 ins. . . .	3.75	25.00
(3-0), 3-yr., S., 5 to 12 ins. . . .	6.00	40.00
(4-0), 4-yr., S., 8 to 15 ins. . . .	8.25	55.00
(2-2), 4-yr., T., 5 to 10 ins. . . .	12.00	80.00
(2-3), 5-yr., T., 8 to 15 ins. . . .	17.50	125.00

## NORWAY SPRUCE

(*Picea abies*)

	Per 100	Per 1000
(2-0), 2-yr., S., 4 to 8 ins. . . .	\$ 3.00	\$ 20.00
(3-0), 3-yr., S., 6 to 14 ins. . . .	4.50	30.00
(4-0), 4-yr., S., 10 to 15 ins. . . .	6.75	45.00
(2-2), 4-yr., T., 8 to 15 ins. . . .	9.00	60.00
(2-3), 5-yr., T., 12 to 20 ins. . . .	12.00	80.00

## DOUGLAS FIR

(*Pseudotsuga taxifolia*)

	Per 100	Per 1000
(2-0), 2-yr., S., 4 to 7 ins. . . .	3.75	25.00
(3-0), 3-yr., S., 5 to 12 ins. . . .	6.00	40.00
(4-0), 4-yr., S., 8 to 14 ins. . . .	7.50	50.00
(2-2), 4-yr., T., 5 to 10 ins. . . .	9.75	65.00

## BALSAM FIR

(*Abies balsamea*)

	Per 100	Per 1000
(2-3), 5-yr., T., 5 to 12 ins. . . .	15.00	90.00
(2-3-2) 7-yr., T., 10 to 18 ins. . . .	18.00	120.00

## CANADIAN HEMLOCK

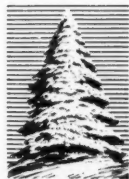
(*Tsuga canadensis*)

	Per 100	Per 1000
(2-2), 4-yr., T., 5 to 12 ins. . . .	15.00	90.00

We also have a large selection of Ornamentals, Shrubs, Shade Trees, Flowering Trees and Nut Trees. Special Discount to—landscape men, licensed dealers and nurserymen.

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## PACHYSANDRA

*Terminalis* (Japanese Spurge). The ideal permanent evergreen ground cover plant for shady and semi-shaded areas in all climates. Does well in sunny areas, too. Absolutely winter hardy in the most northern climates.

Per 100 Per 1000 Per 5000 or more  
Strong, well-rooted, 1-yr. plants; propagated Prepaid F.O.B. here in same shipment in soil and peat frames with light shade. . . . \$6.50 \$53.00 \$50.00  
Available for prompt shipment throughout the year. Shipments anywhere including Canada. GOOD PACKING FREE. A good source of supply.

**PEEKSKILL NURSERY**

Phone: Lakeland 8-5595  
SHRUB OAK, N. Y.

## HOLLIES

American - English - Oriental

Container-Grown

**HOLLY HILL FARMS**

Earleville, Md.

**HARDY NATIVE  
FERNS, WILD FLOWERS  
TREES, SHRUBS AND EVERGREENS**

See the February 1 issue for complete list.

ISAAC LANGLEY WILLIAMS  
Box AN Exeter, N. H.





## PRINCETON NURSERIES

1300 acres devoted to the production of the finest in ornamental plants.

Featuring shade and flowering trees in wide assortment.

Flowering shrubs, hedge plants, ground covers, evergreens, azaleas, vines, etc.

VISIT OUR NURSERY  
SEND YOUR WANT LIST  
**WHOLESALE ONLY**

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**Hardy, Northern-Grown  
Guaranteed-to-Live**

## EVERGREEN TRANSPLANTS

and Seedlings  
for LINERS, Christmas Trees  
or Reforestation.

Write for Wholesale Price List.

**WESTERN MAINE** FOREST NURSERY CO.



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## BOULEVARD NURSERIES

Newport, R. I.

- Quality Nursery Stock
- Lining-Out Stock
- Root-Thru Plant Pots

## SHEPARD NURSERIES

Growers and Distributors of

## ORNAMENTAL NURSERY STOCK

Truckloads only, no boxing.  
60 acres growing. Skaneateles, N. Y.

## BEAUTIFUL SPREADING YEW

12 to 15 ins., B&B	Each
18 to 24 ins., B&B	\$2.00
	\$3.50

**SAM DIBLE NURSERY**  
Shelcta, Pa.

## DEL-MAR-VA NURSERIES

Growers of Quality  
Taxus, Ilex and other Ornamentals.  
Ask for list.

DEL-MAR-VA NURSERIES  
LINCOLN, DEL.  
Phone: GArden 2-4445

## OBITUARY

### Thomas Stathos

Thomas Stathos, 44, Tom's Nursery, Evergreen Park, Ill., died April 24 at St. Luke's-Presbyterian hospital, Chicago. A former director and vice-president of the Chicago Metropolitan Landscaper's Association, as well as a charter member, he and his brother Peter helped to establish the organization in 1959. He is survived by his widow; two children, Steven and Cynthia; his mother, and two brothers, Peter and James.

### Herman Massey Miller

Herman Massey Miller, owner and operator of H. M. Miller Nursery, El Dorado, Ark., for the past 35 years, died April 29 after a brief illness. He was 65 years old and a veteran of World War I. Survivors include his widow, Lovie; one daughter, Mrs. William Noble, El Dorado, and five brothers.

### Thomas Josiah Ashworth

Thomas Josiah Ashworth, proprietor of the Ashworth Nursery, Myrtle Springs, Tex., died April 7 in a hospital at Terrell, Tex. He was 78 years old. His widow and three sons survive him.

### Richard Romano

Richard Romano, son of Dario Romano, a retired nurseryman, was killed in an automobile crash at South San Francisco, Calif., April 28. He was 22 years of age and had resided at Redwood City all of his life, at the time of his death being engaged with his brothers, Louis and John, in a nursery business on Alemany boulevard, San Francisco. Survivors, besides father and brothers, are his mother, Minnie; a sister, Catherine, and a grandmother, Catherine Bonino, all of Redwood City.

### Mrs. Charles Kempenaar

Mrs. Charles Kempenaar, whose family is associated in the Boulevard Nurseries, Newport, R. I., passed away May 1.

PURCHASE of the Webb Farm, Mount Carmel, O., by John Waininger has led to the opening of the Skyview Nursery.

NOW open is the recently constructed garden center of Pinehurst Nursery, on U. S. Route 22 east of Cambridge, O.

## BOBBINK NURSERIES, INC.

Specialists in Coniferous and Broad-Leaved Evergreens, Shrubs and Trees.

586 Paterson Ave.

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SHARON STATION near  
HIGHTSTOWN and R. D. 3,  
FREEHOLD (Smithburg  
Section), NEW JERSEY.

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## KOGUT

### Florist and Nurseryman

Yale Ave. Meriden, Conn.

100 Acres of Choice Nursery  
Stock Strictly Wholesale

Taxus  
Hemlock  
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Magnolia  
Dogwood  
Cotoneaster  
Pyracantha  
Viburnum

All Sizes

All Stock Certified for  
Western Shipment

Write for Price List

**SEEDLINGS**  
MILLIONS

**WHOLESALE ONLY**

**TRIM TREE NURSERY**  
R D 1 INDIANA PA

## LINING-OUT STOCK

Taxus capitata, 2-yr., S.  
Taxus, transplants, 2 to 4 yrs.  
Boston Ivy, 1-yr., S.  
Red Barberry, 2-yr., S.

Write for list.

**PETER BROUWER'S NURSERIES**  
24 Lester St. New London, Conn.

## LITTLE TREE NURSERIES

Rowley, Mass.

- Quality Landscape-Size Stock
- Hybrid Rhododendrons
- Taxus and others

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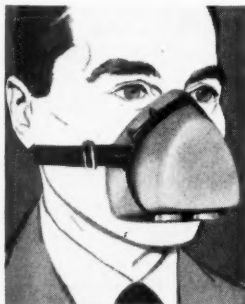
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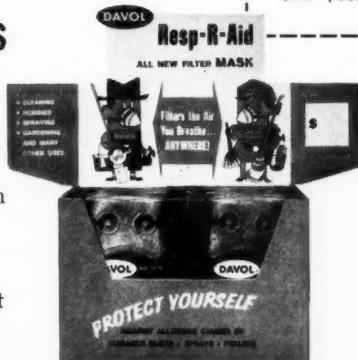
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## PRICES AND PROFITS

*Comments on Business Management in the Nursery*

*By John J. Pinney*

### TIME PAYMENT PLANS

Speakers at several nursery conventions and schools during the past year have pointed out that nurserymen are losing business by not offering time payments to their customers. Nearly everything else can be purchased on the installment plan, but nursery stock is seldom offered on that basis.

This lack can be charged, at least partly, to the innate conservatism of nurserymen, who are often better plantsmen than businessmen. Not that the trade does not need good plantsmen to keep it up to date on the best plant materials and to make them available to all!

But it is becoming painfully apparent that, if nurserymen are to develop their markets to the utmost, they will be forced to make it easier for their customers to buy. Automobiles, washing machines, radios, television sets, boats, furniture, pianos, diamonds, cameras, clothing and innumerable other consumer goods can be bought on some sort of deferred payment plan.

#### For Young Buyers

Young persons are the ones who buy most of these commodities; their elders already have them. The younger buyers have more wants, but usually less income. They do not have the ready cash to pay the full price at the time of purchase. Were it not for the time payment plan most of the articles mentioned above would have a much more limited sale. They all compete with nursery stock, which all too often loses out.

Let us consider the case of a young couple who recently moved into a new home. It was bought on the monthly payment plan, the only way they could buy it. Most of their ready cash was used to make the initial payment. Their furniture and appliances were purchased with a small down payment, the balance payable in small monthly installments. The car in the garage was financed by arranging to make monthly payments.

Although the grounds were "landscaped," the planting was typical of work done by contract builders: A few inappropriate plants in a row across the front of the house and a

scraggly tree or two on the lawn. The young homeowners knew it was a poor job.

They went to the local nurseryman, who worked out a landscape plan that pleased them. The cost was reasonable, only \$150, but they did not have that much cash. When they asked if arrangements could be made for time payments, the nurseryman was doubtful. He had never done anything of that sort and did not see how such payments could be managed.

The upshot of it was that the young householders went without their coveted landscape planting; the nurseryman did not make the sale, and everyone was unhappy.

#### Stimulates Business

Fortunately there are progressive nurserymen here and there across the country who are leading the way in making it possible for their customers to contract for complete land-

scape plantings which they can enjoy while they are being paid for. Other nurserymen, less progressive, are standing by, waiting for those who offer budget terms to go broke.

What is actually happening, however, is that the nurserymen who offer time payments are getting the business and are finding it profitable, while the others are complaining that business is slow.

Any nurseryman who is skeptical about the trend toward time payment buying has only to think about some of the big retail organizations with which he is familiar. One of the largest national chains of clothing stores which was on a strictly cash basis for the first 50 years of its existence, now offers time payments and encourages its customers to take advantage of them.

The two largest mail-order houses in the United States built their business on a cash in advance basis. Turn back the front covers of their gigantic catalogs today and the very first thing that confronts you is a plea to open a credit account and to buy what you need on their deferred payment plan. There must be good reasons why these highly successful firms have done a complete about-face.

When it comes right down to it,

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6 to 9 ins., S.....	5.00 30.00
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one may have difficulty in calling to mind many retail businesses of consequence that do not offer their customers deferred payments. Two exceptions are super food markets and variety stores, and even the latter offer "lay away" plans that are merely modified deferred payment plans.

Buying on time is the trend of the times. Customers expect the privilege, demand it and get it. Many customers are not so much interested in the price as in the amount of the installments. Without doubt there are excesses in the practice, such as "nothing down—a lifetime to pay." Very likely some commodities are worn out before they are paid for, but such a circumstance is the result of bad practices which need not be followed.

### Types of Payment Plans

There are several time payment plans in use that will fit the needs of nurserymen. The simplest plan, of course, is that of extending credit for 30 days, when the account becomes due. Interest is often charged after 60 days.

A popular plan is the 3-payment plan. Under this arrangement the customer pays one third of the cost at the time the nursery stock is delivered or when the landscape job is completed. Another third is paid at the end of 30 days, and the final third at the end of 60 days. (Ordinarily no interest or service charge is involved when this plan is the one selected.)

This can be extended to 90 days by requiring one fourth down and one fourth at the end of each succeeding 30 days. It is surprising how many customers will take advantage of these terms.

Another credit arrangement that is proving popular is known as the revolving credit plan. Under this plan the nurseryman agrees to extend a given amount of credit on regular open-account terms, usually 30 to 60 days. When the maximum amount of credit agreed upon has been extended, no more credit is given until payments have been made on the account.

Further credit equals only the amounts of these payments until the full amount has been paid. The full amount would become due at the end of a specified period, 60 days, for example. Interest is charged on past-due accounts.

### Most Frequently Used

Perhaps the most widely used deferred payment plan is that in which a service charge is added to the

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Amoena	Each	Snow	Each	Favorite	Each
8 ins. ....	\$0.75	8 ins. ....	\$0.75	8 ins. ....	\$0.75
10 ins. ....	1.00	10 ins. ....	1.00	10 ins. ....	1.00
12 ins. ....	1.25	12 ins. ....	1.25	12 ins. ....	1.25
15 ins. ....	2.00	15 ins. ....	2.00	15 ins. ....	2.00
18 ins. ....	2.50	18 ins. ....	2.50	18 ins. ....	2.50
<b>Coral Bella</b>		<b>Maxwell</b>		<b>Beethoven</b>	
8 ins. ....	.75	8 ins. ....	.75	8 ins. ....	.75
10 ins. ....	1.00	10 ins. ....	1.00	10 ins. ....	1.00
12 ins. ....	1.25	12 ins. ....	1.25	12 ins. ....	1.25
15 ins. ....	2.00	15 ins. ....	2.00	15 ins. ....	2.00
18 ins. ....	2.50	18 ins. ....	2.50	18 ins. ....	2.50
<b>Hinodegiri</b>		<b>Louise Gable</b>		<b>Johann Strauss</b>	
Our Hinos are very		8 ins. ....	1.00	8 ins. ....	.75
dark red.		10 ins. ....	1.25	10 ins. ....	1.00
8 ins. ....	.75	12 ins. ....	1.50	12 ins. ....	1.25
10 ins. ....	1.00	15 ins. ....	2.50	15 ins. ....	2.00
12 ins. ....	1.25	<b>Rose Bud</b>		18 ins. ....	2.50
15 ins. ....	2.00	8 ins. ....	1.00	20 ins. ....	3.50
18 ins. ....	2.50	10 ins. ....	1.25	<b>Lilacina</b>	
20 ins. ....	3.50	12 ins. ....	1.50	8 ins. ....	.75
24 ins. ....	5.00	15 ins. ....	2.50	10 ins. ....	1.00
30 ins. ....	6.00	18 ins. ....	3.50	12 ins. ....	1.25
36 ins. ....	7.50	24 ins. ....	6.50	15 ins. ....	2.00
<b>Orange Beauty, Kurume</b>		<b>Addy Wery</b>		18 ins. ....	2.50
8 ins. ....	.75	8 ins. ....	1.00	20 ins. ....	3.50
10 ins. ....	1.00	10 ins. ....	1.25	24 ins. ....	5.00
12 ins. ....	1.25	12 ins. ....	1.50	<b>Kaempferi</b>	
15 ins. ....	2.00	15 ins. ....	2.50	Hardest of all azaleas:	
18 ins. ....	2.50	18 ins. ....	3.50	sheared, well-budded,	
<b>Hino-Crimson</b>		24 ins. ....	5.00	heavy.	
8 ins. ....	.75	<b>Apple Blossom, Kurume</b>		<b>Othello, Salmon Beauty,</b>	
10 ins. ....	1.00	8 ins. ....	.75	<b>Fedora and Carmen</b>	
12 ins. ....	1.25	10 ins. ....	1.00	8 ins. ....	.75
15 ins. ....	2.00	12 ins. ....	1.25	10 ins. ....	1.00
18 ins. ....	2.50	<b>Daybreak, Kurume</b>		12 ins. ....	1.25
<b>Ledifolia Alba</b>		8 ins. ....	.75	15 ins. ....	2.00
8 ins. ....	.75	10 ins. ....	1.00	18 ins. ....	2.50
10 ins. ....	1.00	12 ins. ....	1.25	20 ins. ....	3.50
12 ins. ....	1.25	15 ins. ....	2.00	24 ins. ....	5.00
15 ins. ....	2.00	18 ins. ....	2.50	30 ins. ....	6.00
18 ins. ....	2.50	20 ins. ....	3.50	36 ins. ....	7.50
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plants at competitive prices. Write  
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**\$3.75**

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price at the time of purchase and the indebtedness is paid off in monthly installments of specified amounts. Because of the credit risk involved, the required wait for extended periods for payment and the extra bookkeeping, a service or interest charge in the form of higher price is justified, and the customer expects it.

In order to arrange for monthly payment terms the customer should fill out an application form that will give the information necessary for the nurseryman to determine if the applicant is a good credit risk. Information ordinarily required includes name, age, complete address, marital status, number of dependents, whether home is owned or rented, occupation, income, name of employer, and business and bank references.

Credit should not be extended carelessly, regardless of the plan used. Because nursery stock is perishable, the nurseryman takes a greater risk in extending credit; so he should get all the information he needs to enable him to reach an intelligent decision.

Following is a partial typical table showing the amount added to regular prices for extending credit and the amount of monthly payments:

Unpaid Balance	Amount Added for Credit	Monthly Payments
\$10 to \$ 20.....	\$1.25	\$3.00
20 to 30.....	2.50	4.00
30 to 40.....	3.50	4.50
40 to 50.....	4.50	5.00
50 to 60.....	5.50	6.00
60 to 70.....	6.50	7.00
70 to 80.....	7.50	8.00
80 to 90.....	8.50	8.50
90 to 100.....	9.50	9.00

The customer should sign an agreement that these terms are satisfactory and that he will abide by them. In the absence of such an agreement, one might have difficulty in collecting the additional amount charged for granting extended terms.

## BUSINESS WEEK LOOKS AT ROSE INDUSTRY

Displaying a picture of Charles H. Perkins, Jackson & Perkins Co., Newark, N. Y., on its cover, Business Week magazine on April 1 featured the problems and progress of the United States rose-growing industry in the pages of the marketing section. The experiences and policies of the country's three largest rose growers—Jackson & Perkins; Armstrong Nurseries, Ontario, Calif., and the Conard-Pyle Co., West Grove, Pa.—were cited to point up the high cost of developing and promoting new varieties for



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today's expanding market and the growing importance of mass outlets in reaching that market.

At Jackson & Perkins, where 23,000,000 rosebushes were grown last year, \$250,000 is budgeted annually for research to gain four to six new varieties, the article stated. The firm's promotional activities greatly increased during the past few years to include A. A. R. S. publicity campaigns, the Jackson & Perkins rose of the year program, tie-in promotions and credit selling. Such promotions have boosted selling costs to approximately \$2,700,000, but they have resulted in impressive gains in first-year sales of newly introduced roses; from 6,500 for Baby Blaze, introduced without promotion in 1958, to nearly 500,000 for Americana, a 1961 introduction, according to the published data.

#### MOVE 80-YEAR BANYAN

When a huge, 75-ton 80-year-old banyan tree was transplanted recently from the front yard of a Lake Park, Fla., residence to Palm Beach Gardens, a newly incorporated Florida city 10 miles away, it cost the client \$11,000 and the 40-man transplanting crew some harrowing moments.

Uprooted by tractors and draglines, the tree was loaded and moved on twin lowboy flatbeds, which were pushed by bulldozers to the planting site. Workers kept a stream of water playing constantly on the exposed roots. The most ticklish part of the project was lifting the tree more than 20 feet in the air to clear the tracks and embankment of the Florida East Coast Railway and avoid the 40,000-volt high-tension wires along the railroad's right of way. The tree fell to the ground three times, once when a steel cable anchoring the lifting apparatus snapped and twice when the weight of the tree almost overturned the dragline lifting equipment.

The venerable banyan, with a 125-foot spread, was purchased by J. D. MacArthur, founder of Palm Beach Gardens, and moved to its new location to form a living archway over the highway at the entrance to the new city.

EXPANDING operations to include the Blue Water Nurseries, Saranac, Mich., are Mr. and Mrs. John Loerch, proprietors of Saranac Industries, which manufactures plastics for wholesale nurseries and operates Minicraft, growing bonsai trees.

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## THIS BUSINESS OF OURS

*Reflections on the Problems of Nurserymen*

*By E. Sam Hemming*

### MODERN DIFFICULTIES

New ideas and new methods, when they first appear, may seem excellent; but after widespread use, difficulties or "kinks" invariably show up. Then the innovation must adjust itself and settle into its proper niche.

An example of this is the idea of using posthole or machine diggers for digging holes on landscape jobs. While my firm has not used one, the idea has considerable merit and I have been interested enough to look for disadvantages. Perhaps the greatest disadvantage is to be found in certain heavy clay soils, or even in clay loam soils. The circular motion of the digger tends to run the soil at the side of the hole together, so that it acts like a pot. Plant failures, when dug up, may show the confined root systems of a pot-bound plant. Of course, the wall of the hole could be broken loose manually, but that would nullify the timesaving effect of using the digger.

A friend who is in charge of the landscaping of a number of shopping centers told me of another difficulty. Because it is so hard to get even nominally efficient gardening help, she had several mist systems installed, wherever it was possible to do this, to simplify watering. Now she has decided they are completely impractical, because in many places the plants became entirely coated with algae, which made them most unsightly.

### Difficult Landscape Situations

Within the past four years, my firm has had two landscape jobs which presented problems. One was a cemetery; the other a fine waterfront home. Both were on woodland bulldozed to thin out the trees, heavy clay soil and thin topsoil. Both clients wanted plantings of choice boxwoods, ilex, azaleas, taxus, magnolias, etc. In spite of warnings that the situation was difficult, the choice of material unwise and that more naturalistic plantings would be better, both insisted on this type of planting.

Even with digging much larger trenches and holes than usual, discarding completely all the excavated material and backfilling with top-

soil and humus, we felt the results were not entirely satisfactory. The heavy, poor, packed clay soil seemed to act as a basin, and during the wet season retained so much water that plants were affected. It is questionable if the difficulty could have been avoided without putting in a complete underground drainage system. Similar difficulties may be noted around schools and public buildings where bulldozers are used extensively. No matter how big the holes are dug, they act as pockets.

### Disadvantages of Container Growing

Container plants are beginning to receive criticism, too. More than one customer has dug up a dead container plant to find the root system still in a tight cylinder. The fault, of course, is that a pot-bound effect has occurred due to the plant's staying in the container too long, either at the wholesale or the retail level.

The truth, as most of us know, is

that while a container has the advantage of making off-season sales possible, yet there is a definite growth rhythm which must be observed, and the leeway is limited. That a plant can be in a container either too long or too short a time is a fact that the customer does not realize.

Plants should not be held too long in containers without being repotted or, better still, lined out in the field.

It may make nurserymen shudder, but the brush pile may be a factor in container plants as well as in fruit trees in storage at the end of the season.

### Problems with Soil Fill

Just as the bulldozer has made large-scale land clearing possible, so has allied equipment made large-scale soil filling possible. While this problem may not affect inland nurseries, I have found it a factor when fill is used to make valuable waterfront land out of marshland. Here the difficulty arises when this slightly salty, poor land becomes the subsoil. Not only does it affect the topsoil that covers it, but tidal pressure or high water-table levels may cause trouble without being apparent on the surface.

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Well-spaced, 3x6 ft., 6 to 8 ft. high, full of buds.

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### QUALITY NURSERY STOCK IN LANDSCAPE SIZES

**SHADE TREES:** Maple — Norway, Scarlet and Sugar, Locust — Sunburst, Moraine and Shademaster and Pin Oak. Sizes on most shade trees are in the 2 to 5-in. cal. size.

**EVERGREENS:** Austrian Pine, up to 8 ft. Hetz Juniper, 18 to 24 ins., 2 to 2½ ft. and 2½ to 3 ft.

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Nursery Price List  
Sent on Request

## Boxwood Society Formed at Virginia Meeting

The American Boxwood Society, formed for the purpose of investigating, assembling, preserving and disseminating pertinent information on the propagation, care and uses of boxwood, came into being May 2 at the University of Virginia's Orland E. White Arboretum, Boyce, Va., where nearly 100 charter members gathered for the organizational meeting. Seventeen states were represented in this attendance, although a majority of the total charter membership—170 at the time of the meeting—are from Virginia.

### First Officers

At the election of officers that concluded the program, J. Churchill Newcomb, Purcellville, Va., was named president of the new organization. Other officers are W. Ralph Singleton, University of Virginia, Charlottesville, first vice-president; Mrs. Thomas De Lashmutt, Aldie, Va., second vice-president; Mrs. Clay B. Carr, Boyce, Va., secretary, and Walter S. Flory, curator, Orland E. White Arboretum, Blandy experimental farm, Boyce, treasurer.

Directors are Mrs. Orme Wilson, Washington, D. C.; A. G. Smith, Virginia Polytechnic Institute, Blacksburg; J. B. Wilson, University of Maryland, College Park; Dr. Christopher Stuart, Winchester, Va.; J. T. Baldwin, College of William and Mary, Williamsburg, Va., and Henry T. Skinner, director, National Arboretum, Washington, D. C.

One of the primary aims of the American Boxwood Society is to facilitate the exchange of information between members on the many species and varieties of boxwood methods of propagation and culture, landscape uses and pest and disease control.

According to the constitution adopted at the meeting, the society will facilitate exchange of information among members, foster the search for new species and varieties of boxwood, aid in their scientific study and classification, lend support to the collection and care of a plantation of all types of boxwood and help in making the use of boxwood popular in areas to which it had not been introduced.

The society will collect printed and visual materials on boxwood species and varieties, on significant

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Good rooted cuttings, excellent varieties, offered at "Collection Rate" for immediate delivery. All are well balanced in color range and identified as to variety and blooming date. Collections may be combined.

### COLLECTION RATE SCHEDULE

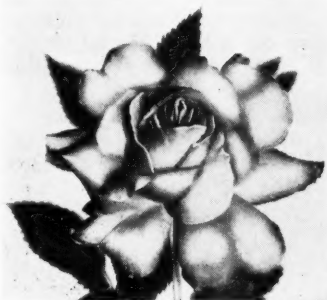
Collection No. A Cut Flower Varieties	Collection No. B Wide Assortment of All Types	Collection No. C Cushion Varieties
500 R.C. .... \$ 28.00	2000 R.C. .... \$105.00	
800 R.C. .... 44.00	5000 R.C. .... 250.00	
1000 R.C. .... 54.00		

MINIMUM collection order—500 R.C.

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Each	Each	Each	Each
1 to 9	10 to 19	20 to 99	100 to 249
\$1.40	\$1.25	\$1.125	\$1.05

Each 250 and up, 95c

### **PINK FRAGRANCE**

(Plant Pat. No. 1493), A. R. S. 1958, 7.6.

A many-petaled pink rose with outstanding, lustrous foliage. Suggested retail, \$2.50.

Each	Each	Each	Each
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\$1.60	\$1.40	\$1.25	\$1.20

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boxwood collections and notable garden plantings and will assemble for members information on where and when they may view boxwood plantings in arboreta, commercial nurseries and private gardens.

A publication planned by the group will probably appear as a quarterly during the first year. The classes of membership and dues were decided upon as follows: Annual, \$3; contributing, \$10; sustaining, \$25; life, \$100, and patron, \$500 or more.

The morning of the organizational meeting was spent in tours of the Orland E. White Arboretum and in observing the boxwood specimens potted and arranged for demonstration in the laboratory. These had been presented to the society by the Arnold Arboretum, Jamaica Plain, Mass.; the National Arboretum, and by Henry Hohman, Kingsville Nurseries, Kingsville, Md.

The afternoon session was called to order by J. Churchill Newcomb, chairman of the advisory committee for the arboretum. Dr. Freeman Weiss, former plant pathologist, United States Department of Agriculture, opened the program with a talk, "Protection of Boxwood Against Known Pests."

Other speakers on the program and their topics were Dr. B. L. Wagenknecht, taxonomist, Arnold Arboretum, "Cultivars of Boxwood and the Boxwood Registration Program"; Sylvester Marsh, National Arboretum, "Winter Injury of Boxwood and Its Correction," and Prof. A. G. Smith, horticulturist, Virginia Polytechnic Institute, "Some Experiences with Boxwood."

### **WEST COAST REPORTS**

[Continued from page 8]

dealers in the east and middle west who had carryovers the previous year when the spring weather was unfavorable. To a certain extent, bad weather in much of the country prevented some reordering in the later part of the season. The crop of roses which we harvested was probably of the best quality we ever had, and it was cleaned out quite well. The new crop of roses for next year looks exceedingly good in the field.

"Fruit trees sold to dealers for home planting were about normal in quantity. Trees sold to dealers for orchard planting were light in quantity, because of various factors, including dry weather, poor prices last year for some fruit crops and uncertainty as to harvesting labor by the

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Farmington, Mich.



orchardists. The call for certain types of new peaches and some other fruits was strong. Buyers are paying more attention to nematode-resistant understocks, as well they should. Next year's crop of fruit trees looks good.

"Soil fumigation for nematode control prior to planting fruit trees, shade trees or any other type of field-grown material is an almost universal practice among the better growers in California now.

"Container-grown ornamentals continue to be in strong demand. Supplies of many items are limited or unavailable. This is a temporary condition, which will right itself as propagation efforts catch up the slack.

"Demand seems to be centered on fewer varieties of deciduous shade trees in the southwest, and these are selling well. Many cities and towns are standardizing on certain varieties for their street trees. Stock was plentiful last year in most shade trees and probably will be next year.

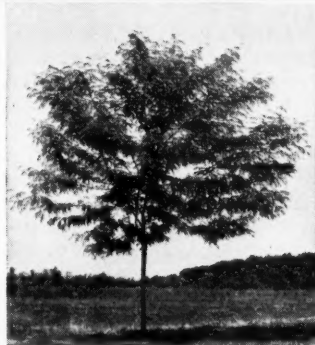
"There seems to be a continuing upward trend in the demand for various types of bare-root material—roses, fruit trees and even some ornamentals—packaged for retail sale. Many retail self-service outlets now demand a package, and there is much experimentation going on with types of packages."

#### Need for Flexible Efforts

Shipping costs and changing weather increased eastern shipping problems, but west coast demands have been generally high, writes Walter C. Borchers, W. B. Clarke & Co., San Jose, Calif. While noting increased firm plantings, Mr. Borchers comments on changing trends, also, in this report:

"Our business during the past winter was good, although affected somewhat by the feeling that there was a recession, at least in some areas. Shipping of nursery stock from California to midwest and eastern points is a continuing problem, and we are having to look for better methods to compensate for the increase in costs of freight on such shipments. Our eastern business was again subject to wide variations of weather conditions last winter and spring, and this increased the difficulty of handling our deliveries satisfactorily. The demands are continuing high for nursery stock generally, especially here on the west coast.

"A continuing period of subnormal rainfall will lead to serious water shortages another season. Locally there has been some slight drop-off in total volume of business, and in



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 Per 10 Per 100  
 Lalundl, orange berry .... \$2.50 \$20.00  
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the past six weeks some of the retailers in this area have been hampered by rainy weekends, which dampen gardening enthusiasm without doing any material good so far as rainfall is concerned.

"In our operation there will continue to be a shortage of many types of nursery stock, especially of the popular container-grown items, but at the wholesale level there is at any given time and on any given item considerable competition in prices. With cost of production increasing continually, the problem of prices continues to be a major consideration.

"The over-all picture of merchandising nursery stock and allied lines is changing rapidly, with more emphasis being placed upon garden center operations both by individual nurserymen and by the larger chain store outlets. It is difficult to predict the ultimate direction of this present trend, but we are quite certain that our production and sales efforts must be flexible to meet the changing market conditions.

"We are continuing to increase our production in many lines, including both container material and field-grown bare-root stock, with the hope that we can continue to meet the changing conditions and demands in the industry."

### Heaviest Spring Trade in Oregon

Demands exceeding supply in several lines are reported in the following letter from Andrew W. Sherwood, Sherwood Nursery Co., Corbett, Ore.:

"We are just finishing our shipping season and commencing to organize for planting, which always comes as a relief from the strain and tension of a busy sales season. We are happy with our business, which periodically seems new and seldom becomes monotonous.

"Last fall the season opened with a rush and was really good for five or six weeks, until election time, when it stopped, nor did it start again much before spring, which was unusual. Our spring business was probably the heaviest we have ever known and brought our sales up so that we have had a slightly better than average year.

"In both liners and finished evergreens, we were unable to meet the demands. There has been an unusual call for dwarf evergreens, bonsai material and hedge stock; dwarfs because most homes are low and areas restricted; bonsai material because most homeowners have less room and more time to work with individual plants, and hedge stock

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Per 10 Per 100 Per 1000  
 Liners in 2-in. pots ..... \$2.00 \$18.00 \$150.00  
 Rooted cuttings ... 10.00 80.00

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because seclusion, in crowded areas, becomes more imperative than ever before.

"Cost of shipping constantly goes up all along the line and becomes a serious threat to the wholesale industry. Labor has been no problem, and we have the best trained crew in years. Wet weather, which continues, started about the first of the year. It rained nearly every day, week after week.

"It has been a good year, a fine season, with work going smoothly. We are planting a little heavier than usual and looking forward to a great year ahead."

"Pleased" and "optimistic" are terms that describe the wholesaler's feelings after the spring trade at Portland, Ore., according to the following report by Avery H. Steinmetz, Portland Wholesale Nursery Co., Portland, Ore., whose comments follow:

"Our sales for season 1960-61, ending June 30, will be the highest in our history, excepting last year's. We are pleased with the result, for like many other wholesalers we had anticipated only a fair season. This situation is typical of wholesalers in the Portland area as far as I can determine.

"A mild winter helped us, but also worried us from the standpoint of keeping deciduous stock dormant until shipments were completed.

"Our cleanup in shade trees was not so complete as we would have liked, and it probably is fortunate that the supply in this line will be slightly less for the next year or two. Stock in general moved out well, and no serious problems in distribution or transportation developed.

"Spring weather was wet and cool, delaying planting and field work and increasing expenses for the growers. Fortunately, help, both skilled and unskilled, was ample and with high unemployment may continue so during the coming season. The wholesale market nationally, apparently, is increasing rapidly, and there is still a feeling of optimism in the trade.

"Landscape men and landscape architects have kept busy, and retail outlets are doing well, except as slowed down by unfavorable weather conditions.

"Profits are not increasing in the average, normal nursery operation, but many nurserymen have gained considerably by a better than normal increase in real-estate values. It probably is safe to say that the nursery industry fares better just now in this area than most other industries."



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Burk Juniper, 6 to 10 ins. ....	.12
Blue Hetz Juniper, 6 to 10 ins. ....	.05
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Euonymus patens, small or medium-leaved, 8 to 10 ins. ....	.04
Euonymus coloratus, 6 to 10 ins. ..	.04
Pyracantha Kusan, 6 to 6 ins. ....	.05
Pyracantha lalandi, 5 to 6 ins. ....	.05

Less than 300, total order,  
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Less than 50 of any item,  
4c more per plant.

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2 to 3 ft. ....	17.00	140.00

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# PLANT NOTES HERE AND THERE

By C. W. Wood

## Two Curious Annuals

While making a list of curious plants for a client, I came upon two annuals which might be of interest to some readers who have a market for annuals or seeds of annuals. The plants, *Proboscidea fragrans* and *Medicago echinus*, were well known to older gardeners, but seem to have been lost in the gaudiness of modern plants.

The first of these, the unicorn plant, or rather plants, is represented in gardens by three or four species of the *martyniaceae*. The names which I have in mind are *Martynia annua*, *Proboscidea fragrans* and *P. jussieu*, all with curious unicorn-like fruits. The fruits are used for pickling while they are young and are a favorite vegetable in some parts of the south. For ornament, I believe my favorite would be *P. fragrans*, especially because of its fragrant (some claim the odor is like ripe pears), purplish flowers, and, of course, the curiously shaped ripe fruits.

The other, Calvary clover (*Medicago echinus*), has accumulated a rather extensive literature. The entire plant is curious enough to satisfy any seeker after that class of material, commencing with legume foliage, blotched crimson, and small yellow flowers followed by curious seed pods rolled into a ball with hooks at the ends. Users of pods and cones in dried arrangements unwind the twisted seed vessel of the plant when it assumes the appearance of a small crown of thorns. It should be handled like other annuals grown for sale.

## Aster Foliaceus

Recent correspondence with an Oregon friend brought to mind *Aster foliaceus*, a variable species which runs all the way from a weedy plant of 30 inches or more to a lovely little thing of a foot. In between these two extremes is a plant of 20 inches, which I grew from seed; a plant that produced a prodigious number of large (close to three inches across), lavender-lilac daisies for a long time in late summer.

Several years ago I had a dwarf form in which the typical *foliaceus* flower of two inches or more was a lively, bright violet color of great

charm. I understand that it, or a similar form, is still extant in the northwest, occurring at high altitudes from Alaska into Oregon. If that is the case, it should be made available to gardeners who can make it happy.

To do so requires more moisture than any dry garden can supply. When I had it, I grew it in pots which were kept in large saucers of water. I understand it is often found in mountain bogs. I can say from experience that it is quite variable from seeds; so selected forms should be grown from divisions, preferably, I believe, in spring.

## Sand Lily

The sand lily, *Leucocrinum montanum*, deserves better attention from gardeners, especially from those here in its native land, than it ever has had. If it came from a far-off land and was difficult to grow, neither of which is the case, it would

be sought after by many, but being easy of culture and a native, it is quietly ignored. But most gardeners do not know it exists, because, generally speaking, commercial growers seem to have neglected it too. If you want to see how customers will react to it, plant a few rhizomes on a sunny ledge in your show garden. I guarantee that your early spring customers will be thrilled by it.

The flowers are funnel shaped, white, fragrant, stemless (much of the tube being below the surface), and are abundantly produced in early spring. In addition to its beauty, the plant has the added attraction of being easily grown in any sunny, well-drained situation. But like most spring-flowering bulbous subjects, it has the disconcerting habit of disappearing as soon as its foliage matures after the blooming season. That means one must make some provision to clothe the space left bare by its passing. If it is used

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Scotch Pine, 3 to 9 ft.  
Red Pine, 3 to 10 ft.  
Norway Maple, 1½ to 3-in. cal.  
Crimson King Maple, 1½ to 2-in. cal.  
Flowering Crab Apples, 6 to 8 ft.  
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in fairly broad masses, as it should be for the best landscape effects, it will call for a generous supply of shallow-rooted annuals to take over.

### Talinum Okanoganense

This curiously beautiful form of the portulaca family was referred to in some correspondence and prompts brief mention here, with the hope that some eastern growers will give it a trial.

It is a plant for lovers of the little things of the plant world, being made up of little succulent stems and even smaller blue-green leaves, the entire plant being not over an inch tall. When not in flower, it can be mistaken for a sedum, but when it covers itself throughout much of the summer with pretty white flowers to a half inch or more across, it shows its portulaca kinship.

I notice in "Hortus" that *T. wayae* is mentioned as "a listed name of unknown botanical standing." My understanding of the matter is this: Carl S. English, Jr., found the plant among the mountains of Okanogan county, Washington, and it was described and named by him in October, 1934. A Mrs. Way found the same plant in the mountains near Thompson river, British Columbia, and it was described and named *T. wayae* by Miss Alice Eastwood in November of the same year. Consequently, according to the rules of priority, *okanoganense* is the correct name.

It was fully hardy here in northern Michigan, growing well in the light, sandy soil and standing much abuse from dry weather. It comes readily from seeds, often blooming the first year from an early sowing. It is also said to root readily from stem cuttings, but I understand, though cannot verify from experience, that it is rather slow to take hold after the first roots have been formed.

### Eryngo

Eryngium is a large genus, numbering over 200 species, according to the botanists, that could be made of great value to gardeners if they would only use more of them. Not all the enumerated kinds are useful in the north, many of the species, especially the pandanus-leaved section, being of tropical origin, and useful here only under glass. Aside from the tender ones, there are a number with much-cut foliage, principally from southern Europe, that are not only hardy, but are among the most decorative of plants.

It is probably not necessary to go into details regarding the dozen or

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	Each Per 100	Each Per 1000
Berberis (Barberry)		
mentorensis, 2¼-in. ....	\$0.25	\$0.20
Callicarpa (Beauty Berry)		
dichotoma, 2¼-in. ....	.18	.16
Cornus (Dogwood)		
Kelsey's Dwarf, 2½-in. ....	.18	.16
Cotoneaster		
divaricata, 2¼-in. ....	.20	.18
Crape Myrtle (See Lagerstroemia)		
Desmodium (Bush Clover)		
penduliflorum, 2½-in. ....	.20	.18
Deutzia		
corymbosa, 2½-in. ....	.18	.16
Euonymus		
alatus compactus, 3-in. ....	.25	.20
alatus compactus, 2¼-in. ....	.25	.20
Forsythia (Golden Bell)		
Goldleaf, new, 2¼-in. ....	.18	.16
Spring Glory, 2¼-in. ....	.18	.16
viridissima bronxensis, 2-in. ....	.18	.16
Hypericum (St. John's-Wort)		
kalmianum, 2¼-in. ....	.18	.16
Lagerstroemia (Crape Myrtle)		
Hewitt's Rose, 2¼-in. ....	.18	.16
Philadelphus (Mock Orange)		
coronarius, 2¼-in. ....	.17	.15
Physocarpus (Ninebark)		
opulifolius nana, 2¼-in. ....	.18	.16
Spiraea		
Anthony Waterer, 2¼-in. ....	.19	.17
japonica coccinea, 2¼-in. ....	.20	.18
thunbergii, 2-in. ....	.18	.16
Syringa (Lilac)		
rothomagensis, pink-flowered, 2¼-in. ....	.20	.18
Viburnum		
opulus, 2½-in. ....	.18	.16
opulus, sterile, 2¼-in. ....	.18	.16
Weigela		
Java Red, 2¼-in. ....	.20	.18
Newport, 2½-in. ....	.18	.16
rosea, 2¼-in. ....	.18	.16

### EVERGREENS

Juniperus (Juniper)		
chinensis pfitzeriana, 2¼-in. ....	.22	.20
chinensis pfitzeriana, Golden, 2½-in. ....	.22	.20
communis depressa plumosa, 2¼-in. ....	.22	.20
Juniperus		
glauca hetzi, 2¼-in. ....	.20	.18
kosteri plumosa, 2¼-in. ....	.22	.20
sabina, 2¼-in. ....	.22	.20
Taxus (Yew)		
cuspidata, 2¼-in. ....	.22	.20

### VINES AND GROUND COVERS

Ajuga (Carpet Bugle)		
pyramidalis, 2-in. ....	.20	.18
reptans, 3-in. ....	.22	.20
reptans, 2-in. ....	.18	.16
Celastrus (Bittersweet)		
scandens, 2¼-in. ....	.18	.16
Clematis		
paniculata, 2-in. ....	.17	.15
Euonymus		
fortunei minimus, 3-in. ....	.35	.30
fortunei minimus, 2-in. ....	.25	.20
Lonicera (Honeysuckle)		
japonica haliana, 2-in. ....	.14	.12
Redgold, telmanniana, 2¼-in. ....	.20	.18
Yellownet, 2-in. ....	.18	.16
Vinea (periwinkle)		
minor, 3-in. ....	.22	.20
minor, 2-in. ....	.18	.16
minor, Bowles, 2-in. ....	.20	.18

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more good kinds which are generally available, their greatest differences, so far as garden uses are concerned, being found in their height, which varies from 15 to 18 inches (*E. bourgati*) to the three to five feet of *E. giganteum* and *E. planum*, and the varying shades of blue found in the stems and involucres. There seem to be possibilities in *eryngiums* now little dreamed of by most plant growers. It might pay to put a few of the kinds in your show garden and have a stock in the nursery to take care of the demand.

If seeds are used for propagating, they should be planted as soon as possible after ripening; otherwise, they may be slow in germinating. After a stock is once secured, or in case of especially blue kinds which one may wish to increase, propagation is easy from root cuttings, preferably, I believe, in early spring before top growth commences.

They all require a sunny aspect (at least they are best in sunshine) and a deep soil. None will be likely to offer difficult cultural problems with the possible exception of *E. glaciale*, and that little troublemaker had best be left alone, according to my experience, unless one can give it the constant moisture or wet moraine which it seems to demand.

### Myrrh

If the vogue of herb gardening serves no other useful role, it will have served a good purpose if it makes gardeners acquainted with that fragrant plant, *Myrrhis odorata*. Not for its delightful fragrance alone is it to be admired, though, for its much-divided foliage is recommendation enough. Wherever a 2 to 3-foot plant with the foregoing attributes is wanted, one need look no farther than myrrh. It is best in rich, moist soil in part shade. Seeds should be sown as soon as ripe; otherwise germination is likely to be erratic or nonexistent.

### Asperula Hirta

While looking recently for some information on *Asperula suberosa* for a client, I came upon a note made close to 40 years ago on *A. hirta*, which I thought, because of the plant's beauty and ease of culture, might interest readers.

In addition to being hairy, it is one of the woodruffs with leaves in sixes. It forms a mat by means of underground runners, eventually to a foot or more across, perhaps to much more across if one does not take up the clumps after three years, which I did. From this mat



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1-gal. ....	\$0.60	\$0.55	1-gal. ....	\$0.65	\$0.60	1-gal. ....	\$0.65	\$0.60
<b>ILEX CRENATA BULLATA</b>			<b>LIGUSTRUM LUCIDUM COMPACTUM</b>			2-gal. ....	1.50	1.40
1-gal. ....	.65	.60	1-gal. ....	.60	.55	<b>PYRACANTHA CRENATA-SERRATA GRABERI</b>		
2-gal. ....	1.15	1.00	<b>LIRIOPE MUSCARI MAJESTIC</b>			1-gal. ....	.65	.60
<b>ILEX CRENATA DIVARICATA</b>			1-gal. ....	.60	.55	<b>PYRACANTHA FORMOSANA</b>		
1-gal. ....	.60	.55	<b>LIRIOPE MUSCARI VARIEGATA</b>			2-gal. ....	1.50	1.40
<b>ILEX CRENATA HETZI</b>			1-gal. ....	.65	.60	<b>PYRACANTHA GOVERNMENT RED</b>		
1-gal. ....	.65	.60				1-gal. ....	.65	.60
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6 to 8 ins. ....	15.00	140.00	12 to 18 ins. ....	15.00	140.00
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4 to 6 ins. ....	12.00	110.00	8 to 12 ins. ....	12.00	110.00
6 to 8 ins. ....	15.00	140.00	12 to 18 ins. ....	15.00	140.00
<b>BUXUS SEMPERVIRENS</b>			<b>GARDENIA RADICANS</b>		
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6 to 8 ins. ....	15.00	140.00	6 to 8 ins. ....	12.00	110.00
<b>CAMELLIA SASANQUA</b>			<b>GINKGO BILOBA (Seedlings)</b>		
Cleopatra			6 to 8 ins. ....	12.00	110.00
6 to 8 ins. ....	17.00	150.00	8 to 12 ins. ....	15.00	140.00
8 to 12 ins. ....	20.00	180.00	<b>ILEX CRENATA BUXIFOLIA</b>		
<b>Crimson Tide</b>			4 to 6 ins. ....	15.00	140.00
6 to 8 ins. ....	20.00	180.00	6 to 8 ins. ....	17.00	150.00
8 to 12 ins. ....	22.50	200.00	8 to 12 ins. ....	20.00	180.00
<b>Dainty Pink</b>			<b>ILEX CRENATA MICROPHYLLA</b>		
6 to 8 ins. ....	17.00	150.00	4 to 6 ins. ....	12.00	110.00
8 to 12 ins. ....	20.00	180.00	6 to 8 ins. ....	15.00	140.00
<b>Daydream</b>			<b>ILEX CRENATA REPANDENS</b>		
6 to 8 ins. ....	17.00	150.00	4 to 6 ins. ....	12.00	110.00
8 to 12 ins. ....	20.00	180.00	6 to 8 ins. ....	15.00	140.00
<b>Hino-de-Gumo</b>			8 to 12 ins. ....	17.00	150.00
6 to 8 ins. ....	17.00	150.00	<b>ILEX CRENATA ROTUNDIFOLIA</b>		
8 to 12 ins. ....	20.00	180.00	4 to 6 ins. ....	10.00	90.00
<b>Jean May</b>			6 to 8 ins. ....	12.00	110.00
6 to 8 ins. ....	20.00	180.00	<b>ILEX VOMITORIA DWARF (Dwarf Yaupon)</b>		
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<b>Mine-No-Yuki (Double White)</b>			6 to 8 ins. ....	17.00	150.00
6 to 8 ins. ....	17.00	150.00	<b>ILICUM ANISATUM (Anise Tree)</b>		
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<b>Miss Auburn</b>			<b>JUNIPERUS DEPRESSA PLUMOSA (Andorra)</b>		
6 to 8 ins. ....	20.00	180.00	6 to 8 ins. ....	15.00	140.00
8 to 12 ins. ....	22.50	200.00	8 to 12 ins. ....	17.00	150.00
<b>Rosea</b>			<b>JUNIPERUS SABINA (Savin Juniper)</b>		
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8 to 12 ins. ....	20.00	180.00	8 to 12 ins. ....	17.00	150.00
<b>Texas Star</b>			<b>LIGUSTRUM LUCIDUM COMPACTUM</b>		
6 to 8 ins. ....	17.00	150.00	4 to 6 ins. ....	10.00	90.00
<b>ELAEAGNUS FRUITLANDI</b>			6 to 8 ins. ....	12.00	110.00
6 to 8 ins. ....	15.00	140.00			
8 to 12 ins. ....	17.00	150.00			
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	100	1000
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8 to 12 ins. ....	\$17.00	\$150.00
12 to 18 ins. ....	20.00	180.00
18 to 24 ins. ....	22.50	200.00
<b>NANDINA DOMESTICA</b>		
6 to 8 ins. ....	15.00	140.00
8 to 12 ins. ....	17.00	150.00
<b>OSMANTHUS SAN JOSE</b>		
6 to 8 ins. ....	12.00	110.00
8 to 12 ins. ....	15.00	140.00
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6 to 8 ins. ....	12.00	110.00
8 to 12 ins. ....	15.00	140.00
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4 to 6 ins., S. ....	6.00	50.00
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6 to 8 ins. ....	15.00	140.00
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plant. I regret that I cannot give a personal opinion on this wood sorrel, because it is not hardy here in the north, but from what I hear and read about the plant, it should be hardy in Georgia and intrigue all gardeners who plant for fall effects.

My notes on the plant say it was introduced to England from Chile about 150 years ago. It grows from a tuberlike root, sending up pretty, lobed, sometimes almost bilobed, leaves in spring. These are bright green in color, making a pretty ground cover, not over an inch above the soil, but disappearing almost entirely in the heat of summer, but are followed in fall (October, I believe) by quite large, yellow, stemless flowers. The florists call them yellow, lined and dotted red. An English note calls them "glossy golden-yellow, so warm in tone that the flaming cluster of crowded flowers harmonizes most sympathetically with the spirit and color of October."

All seem to agree that, where hardy, it is easily grown in ordinary garden soil, with good drainage and sunshine, though one Texas correspondent said it did best for him in part shade. Several notes in my files say that it selfsows, suggesting that seedlings would be the best way to propagate if large numbers were needed; however, division would probably answer ordinary requirements.

### Primula Angustifolia

Although this Rocky mountain primrose is one of the few American species that are both pretty enough and easy enough to grow to merit gardeners' attention, I doubt that it ever will become popular. When I received my first plants as *P. helenae* from the late D. M. Andrews, the noted Colorado collector, he told me to try it in a north wall, where it would not get much sunshine. It needs good drainage in a soil made up mostly of quite coarse gravel and peat. Unlike so many of the nivalis section of primula, which require constant attention to their moisture needs, my present plant gets along quite well on nature's supply, going dormant soon after the spring flowering season and coming to life again after the fall rains commence.

It makes a tight tuft of narrow leaves an inch or so long as a support for little, 2-inch flowering stems, each bearing a lovely rose-pink star, close to an inch in diameter. The general effect of the plant is most pleasing, but it is so small that one plant makes little impression. However, a group makes a pic-

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ture that one does not soon forget. It never made seeds while it was in my trials and I never have seen them mentioned in lists. It may, however, be multiplied by division of the tufts, a task which should be done during the dormant season.

### ARBORETUM RANGE BEGUN

Ground was broken last month at the Arnold Arboretum, Jamaica Plain, Mass., for construction of a new range of greenhouses designed to facilitate the arboretum's plant propagation and research work. When completed, the main building will include a research laboratory, a conference room, ample headhouse space for all types of propagation and three 50-foot greenhouses of aluminum construction with automatically controlled environmental areas. Walk-in cold storage rooms to augment investigations in seed storage and research in plant hardiness will offer temperature ranges to 20 degrees below zero.

An added feature is a large pit house for the winter storage of woody plants, automatically controlled with heating and cooling units, so that a uniform temperature near the freezing point can be maintained from October to May. A Saran cloth shade house for evergreens, plant frames and a nursery area will surround the buildings, giving 100 per cent more plant growing space.

ADDING a new operation to his landscape construction business, Philip J. Wojtusik recently opened a retail nursery and garden center at Bristol, Mass.

STARTING Clinton Nursery, Inc., Clinton, Ia., are Roger Cameron, Dave Kramer and John Mulholland. A second nursery is being built by the firm at Des Moines.

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## Years of Testing Yield New Hardy Rhododendrons

As automobile travel has given more of the gardening public glimpses of such colorful plants as rhododendrons and azaleas, demand has been enhanced for hardy varieties which will grow in the interior of this country. Tests are constantly going on to ascertain those which will thrive in the flat, windy gardens of the midwest, those farthest north at present being trials at the University of Minnesota. Hybridizing has been undertaken also to produce a better range of color than is available in the hardier rhododendrons. An Ohio nurseryman with 40 years' experience was induced by customers' demands and local weather conditions to do breeding on these lines. Of his experiences A. M. Shammarello writes:

"The demand for new varieties and avoidance of current losses from weather conditions were the stimulus which inspired me to hybridize. This dates back to 1934. In January of that year in the Cleveland, O., area, there was a scant covering of snow on the ground, when the temperature dropped to 24 degrees below zero, accompanied by winds of gale force. We had growing in the open field about 500 named-variety rhododendrons of the ironclad group, about 1,500 Rhododendron catawbiense hybrid seedlings and a few plants of Rhododendron smirnowi. As a result of the cold temperature, most plants froze to the ground, others were severely injured, flower buds above snow line froze and the lot of plants was practically a total loss, with the exception of a few plants.

### Starts Hybridizing Program

"Rhododendron smirnowi was not injured and opened each of its flower buds. Rhododendron Boule de Neige was slightly injured; most of its flower buds developed and bloomed. Of the named varieties of the ironclad group, a few plants of some varieties were less injured, and some catawbiense hybrid seedlings exhibited a greater resistance to cold injury. In the spring of 1935 these hardier plants inspired me to start a hybridizing program, and they became the nucleus of my parent plants.

"There was much to overcome and seek to improve. For instance,

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Heavy Shrubs

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Spring 1962

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**HUMPHREYS LANDSCAPE SERVICE**  
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Rhododendron smirnowi is a slow-growing plant, has a loose truss and partly blooms in the fall of the year. Rhododendron Boule de Neige is an ideal plant in character of growth, foliage and flower, but had no companion plants in color, blooming at the same time.

"We had constant demands for pink and red Boule de Neige type of plants, for pink and red Cunningham's White type plants and also for true clear pink shades, red and white-flowering plants of the catawbiense hybrid type with good plant character and foliage.

"With the thought of the necessity of hardiness, the need of early-blooming plants and the call for dwarf pink and red plants, we made numerous crosses to try to obtain the desired seedlings, and since 1935 we have grown to blooming sizes in excess of 100,000 seedlings of controlled crosses. Through luck, patience and years of rigid testing of over 100 clones, we have produced these new desired plants and colors.

#### Describes Collection

"We have a collection of Boule de Neige type plants of comparable hardiness, blooming at the same time in unusual clear pink and red colors, as well as a collection of Cunningham's White type plants, some comparable to the ironclad in hardiness, blooming at the same time as Rhododendron Cunningham's White, in unusual pink and red colors.

"A clone of Rhododendron smirnowi X of comparable hardiness and of intermediate height is named King Tut; its vibrant 2-tone pink flowers form a large, tight truss of elegance and beauty, opening all of its flowers in the spring of the year, being bud hardy to lower than 20 degrees below zero.

"A collection of the catawbiense hybrid type plants of comparable hardiness to the hardest of the ironclad group has excellent plant characteristics, foliage and color, especially the true clear pink colors.

"These new hybrids include a collection of more than a dozen varieties to allow choice of proper plant for location, desired color and season of bloom."

OPENING the Limekiln Pike Nurseries & Garden Center, Maple Glen, N. Y., are Bruno Pileggi and his son, John, who were previously in the landscaping field.

RELOCATED at 133 West Foothill boulevard, Pomona, Calif., are California Nurseries, formerly of 4800 Mission boulevard.

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## CALIFORNIA ASSOCIATION OF NURSERYMEN

ELMER J. MERZ, Executive Secretary

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### CENTINELA CHAPTER

Members of the Centinela chapter of the California Association of Nurserymen met April 27 at the Cockatoo Inn, Hawthorne. Kenneth Terry, Hawthorne Nursery, Hawthorne, president, announced that the safety contest is now under way for those members of the association who participate in the group compensation insurance program. He also announced that Sumi Nursery, Hawthorne, is a new member of the chapter.

Frank Kamada, Sun Nursery, Hawthorne, state director, made a report on the state directors' meeting.

Ruth Koshiki, Ed & George Nursery, Hawthorne, vice-president, introduced guest speaker Norman McKay, from the Helms foundation, who gave a talk and showed films of the 1960 winter Olympics at Squaw Valley.

Helga Ortlinghaus, Sec'y.

### REDWOOD EMPIRE CHAPTER

A talk on safety practices in the home and nursery, by Pressley Neville Jones, and announcements concerning coming events of interest to the chapter were the program features at the May 9 meeting of the Redwood Empire chapter of the California Association of Nurserymen in the Edgewater Inn, San Rafael. There was an attendance of 45 persons, and President Ruth Cullen, Rincon Nursery, Santa Rosa, presided.

A letter was read from Assemblyman W. T. Bagley, pledging his opposition to certain assembly bills, as urged by the chapter. Richard Lackey, Pat Flynn and Henry Martin were appointed a nominating committee; their report will be given at the June meeting.

The annual picnic was scheduled for August 27, in the San Raphael area, with Hugh Wallace as chairman. He will select his own committee.

Reminder was given of the refresher course at the California Polytechnic College, San Luis Obispo, June 7 and 8.

Hugh L. Wallace, Sec'y.

### LOS ANGELES CHAPTER

The meeting of the Los Angeles chapter of the California Association of Nurserymen held April 26 at Eaton's restaurant, Arcadia, was ladies' night. Mrs. Carl Zangger, Montebello, wife of the chapter president, opened the meeting after the dinner, and Pat Bartholomew presented the program. A male quartet from the Kellogg campus of Cal Poly at Pomona rendered numbers appropriate for the occasion.

The program feature was a nurserymen's style show, depicting various characters who are commonly found around a nursery. The ladies of the chapter took the parts, and Connie Meadows, wife of the secretary, gave the narration.

Characters and models featured were the following: Nurseryman of 50 years ago—Betty Reed; nurseryman of 25 years ago—Dorothy Com-

stock; modern, up-to-date nurseryman—Evelyn Weidner; what all customers ought to look like—Jody Christensen; nursery inspector—Ruth Perry; Cal-Poly graduate employee—Joanne Husband; sleepy employee—Shirley Kaelin; high society customer—"Babe" Cox; her sweet little girl—Pat Bartholomew; the salesman—Dorothy Jones; Texas nurseryman's daughter—Jane Zangger; avid gardener—Peggy Olsson; nurseryman's wife—Molly Botts, and water boy—Joan Rath.

In an address, "Three To Get Ready," Walter Prill, Southern Counties Gas Co., spoke on the exploding population and its effect on the economy.

Special decorations, provided by Verona Weeks, Weeks Wholesale Rose Grower, Ontario, on a nursery transportation theme, space-age style, used hundreds of red roses. Prizes were souvenirs of the occasion. James Meadows, Sec'y.

### DISCOUNT NURSERY OPENS

A nursery using supermarket techniques has opened under the firm name of Green Land Nurseries, Inc., near Carson, Calif. The self-service nursery, covering a half-block area,



**Fruit, Nut, Shade & Flowering Trees**  
**Grapevines - Fig Trees**  
**Field & Container Grown Ornamentals**

Whatever your needs — try Stribling's Golden Anniversary Specials first. By express, truck or carload — *when* you want them, grown as your customers want them.



is specializing in plants selected specifically for the harbor area and offers the stock at discount prices. Kenneth Clifford, founder and president, also established the Green Dollar Nurseries, Orange, Calif.

### RESTRICT OREGON SIGNS

Nurserymen are gratified with the compromise bills passed by the Oregon legislature in regard to billboard regulation along Oregon highways. One bill, SB-235, prescribes the national standards for those sections of the interstate system on U. S. 30 and U. S. 99, for which the right of way was purchased after July 1, 1956, some 200 miles. This will qualify Oregon for the federal bonus as soon as the highway commission enters into an agreement with the United States bureau of roads.

Nonconforming signs on this part of U. S. 99 and U. S. 30 must be removed by July 1, 1964. This bill also prescribes that other signs hereafter on the remaining sections of the interstate highways shall be spaced 2,000 feet, instead of 1,000 feet, apart; but seven years is allowed for removal of these nonconforming signs.

SB-233, the scenic area bill, provides for a 7-man commission under the bureau of labor, to be appointed by the governor, which can set up, after public hearings, "scenic areas" along any public highway where advertising will be specifically controlled. In this case also seven years is allowed for the removal of nonconforming advertising.

The Oregon Association of Nurserymen was active on the highway protection committee, which fought for greater control than finally resulted. Robert Snodgrass, Seven Dees Nursery and Esch Nursery, Portland, was an honorary vice-chairman of the committee, and Charles H. Potter, editor of the O. A. N. Digger, and Merv Belknap, executive secretary of the O. A. N., both served on the H. P. C. executive committee C. H. P.

### OREGON NOTES

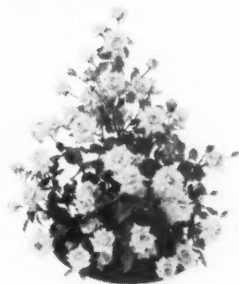
According to word received from J. Vernon Marshall, Marshall Nursery & Florist, Medford, who is secretary of the Cascade chapter of the Oregon Association of Nurserymen, arrangements have been completed for a 3-chapter meeting at Roseburg, Ore., August 8. The Cascade chapter will be host for the Emerald Empire and Willamette chapters at an afternoon picnic. Members of

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**MY FAIR LADY?**



**RUEHL-WHEELER NURSERY CO., INC.**  
P. O. Box 608 COYOTE, CALIF

### BEGINNING IN THE NURSERY BUSINESS

By John J. Pinney, 64 p. (1958). \$1.00.  
American Nurseryman Chicago 4, Ill.

the O. A. N. state board of directors will also be present at the picnic, after which a board meeting will be held at the home of Mr. and Mrs. Myron Lehne, M. Lehne Nursery.

Merv Belknap, executive secretary of the O. A. N., announced that plans are well under way for a state association directory. The committee met recently with Mr. Belknap to go over prices and other details. Kick-off for the directory is planned for June, and the deadline for printing will be December 1. The O. A. N. plans to use the directory in place of a trade fair at the January, 1962, convention at Salem.

Moore park, Klamath Falls, was the site May 11 for a turf field day. Dr. Norman R. Goetze, Oregon State University turf specialist, was in charge of the field day program. Subjects discussed included maintenance schedules, fertilizer problems and turf varieties.

A freak hailstorm, hitting two widely separated nurseries recently, caused up to 30 per cent loss of budded stock at the Carlton Nursery, Forest Grove, and the J. Frank Schmidt & Son nursery, Troutdale. Buds loosened on other stock, not included in the loss estimate, will require additional attention to assure proper development.

Fish's Hilltop Nursery, Salem, has opened a new branch in the Vista shopping center. The new salesyard measures 42x60 feet, and about two thirds of the area is covered with lath. L. L. (Bud) Fish is owner.

Hugh Taylor, chief, plant division, Oregon state department of agriculture, was recently elected president of the Western Seed Officials' Association at the convention of the group at Sacramento, Calif. The association includes state agricultural officers from 13 western states.

Ambrose Brownell, Brownell Holly Farms, Milwaukie, recently returned from a 2-week trip to the east coast, where he visited the United States National Arboretum, Washington, D. C., and the New York Arboretum, both of which recently received holly trees from him as a gift. He also visited various nurseries and other tree specialists.

Continuing the fight against the threat of pine-shoot moth, tests were held recently by the agricultural research service and the Pacific northwest experiment station of the United States forest service in which methyl bromide was released into airtight tents enclosing individual pine trees as a means of controlling the pest.

C. H. P.

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**Licensed Growers of****Crimson King Maple (Pat. No. 735)****Imperial Locust (Pat. No. 1605)****Moraine Ash (Pat. No. 1768)****Moraine Locust (Pat. No. 836)****Shademaker Locust (Pat. No. 1515)****Sunburst Locust (Pat. No. 1313)****Send for Our Price List**

Combination carlots for eastern distributing points.

**ROSES****OLD and NEW**

Fine-quality, two-year plants budded on Multiflora in over 250 varieties.

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**LOOKING FOR CONSISTENT QUALITY?**

We grow and ship a complete line of nursery stock, including

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**RHODODENDRON AND EVERGREEN LINERS****In Season**

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**FORM HORTICULTURE ADVISORY COMMITTEE**

Several months ago an organization meeting was held at the City College of San Francisco to form an ornamental horticulture advisory committee. Organizations with a stake in the future of ornamental horticulture in northern California were invited to send representatives. The group gave enthusiastic approval to the establishment of such a committee with regular meetings.

The evening of April 28, the second meeting was held in the faculty dining room of Smith Hall. In attendance were Dr. Louis G. Conlan, president, City College of San Francisco; Auguste Broucayet, of the San Francisco Professional Gardeners; Richard Plath, California State Florists' Association; Ed Craig, California Landscape Contractors' Association; Aaron Oliver, California Association of Arborists; Al Modena, representing bedding plant growers; Randy Kiem, California Fertilizer Association; Walter Prehn, Peninsula chapter, California Association of Nurserymen; Mike Vukelich, Bert Wright and Lloyd Reeves, Central chapter, C. A. N.; Ernest Wertheim, Association of American Landscape Architects; William L. Scott, Jr., California Seedsmen's Association; Itsuo Uenaka, C. A. N. scholarship and education committee; Barry Nelson, instructor, City College of San Francisco, and Louis F. Batmale, dean of instruction, City College of San Francisco.

The basic concern of the groups represented is to attract young people to careers in ornamental horticulture. Competent employees are difficult to find now, but in the coming competitive years the problem promises to become increasingly critical, unless action is taken now.

Because of freeway and development plans, the present facilities at City College are being condemned. Drawings have been prepared for a new, modern structure. In order to support these proposals, the organizations previously named are being surveyed as to current number of employees and anticipated requirements in coming years.

**Promotional Plans**

The advisory committee has solicited the help of the Metropolitan Life Insurance Co. through its career series. The company complimented the group on its brochure and gave encouragement that it hopes to include this field in its career series in the future.

[Concluded on page 60]

**QUALITY NURSERY STOCK****ACER PLATANOIDES**

Fassett's Red-Leaved		Per 100
Maple		
6 to 8 ft., br.....	\$35.00	\$325.00
5 to 6 ft., br.....	25.00	225.00
8 to 9 ft., whips...	30.00	225.00
7 to 8 ft., whips...	25.00	210.00
6 to 7 ft., whips...	21.00	180.00
5 to 6 ft., whips...	16.00	140.00
4 to 5 ft., whips...	13.00	110.00
3 to 4 ft., whips...	10.00	85.00

**Norway Maple**

12 to 14 ft., br....	35.00	325.00
10 to 12 ft., br....	30.00	275.00
8 to 10 ft., br....	25.00	225.00
6 to 8 ft., br....	20.50	180.00
5 to 6 ft., br....	15.00	135.00
8 to 9 ft., whips...	10.50	100.00
7 to 8 ft., whips...	9.00	85.00
6 to 7 ft., whips...	8.50	80.00
5 to 6 ft., whips...	8.00	75.00
4 to 5 ft., whips...	6.00	55.00

**Columnar Norway Maple**

3-yr., 11 to 12 ft...	33.50	310.00
3-yr., 10 to 11 ft...	30.00	275.00
2-yr., 9 to 10 ft...	27.50	250.00
2-yr., 8 to 9 ft...	25.00	225.00
2-yr., 7 to 8 ft...	22.00	195.00
2-yr., 6 to 7 ft...	18.50	170.00
1-yr., 5 to 6 ft...	15.50	140.00
1-yr., 4 to 5 ft...	12.00	110.00
1-yr., 3 to 4 ft...	10.00	90.00

**Drummond Norway**

Variegated Maple		
6 to 8 ft., br.....	28.50	260.00
5 to 6 ft., br.....	23.50	210.00
8 to 9 ft., whips...	21.00	185.00
7 to 8 ft., whips...	20.00	175.00
6 to 7 ft., whips...	18.00	165.00
5 to 6 ft., whips...	14.50	130.00
4 to 5 ft., whips...	10.00	90.00

**ACER PSEUDOPLATANUS**

Improved Spaethi		
12 to 14 ft., br....	37.50	350.00
10 to 12 ft., br....	32.50	300.00
8 to 10 ft., br....	27.50	250.00
6 to 8 ft., br....	22.50	200.00
5 to 6 ft., br....	16.50	150.00
6 to 7 ft., whips...	12.50	115.00
5 to 6 ft., whips...	10.00	90.00
4 to 5 ft., whips...	8.00	70.00

**ACER RUBRUM**

(Red Maple)		
10 to 12 ft., br....	32.50	300.00
8 to 10 ft., br....	27.50	250.00
6 to 8 ft., br....	22.50	200.00
5 to 6 ft., br....	16.50	150.00
4 to 5 ft., br....	12.50	115.00

**ACER SACCHARUM**

MONUMENTALE		
(Columnar Sugar Maple)		
8 to 10 ft.....	27.50	250.00
7 to 8 ft., whips...	25.00	225.00
6 to 7 ft., whips...	22.50	200.00
5 to 6 ft., whips...	20.00	175.00
4 to 5 ft., whips...	17.50	150.00
3 to 4 ft., whips...	15.00	125.00

**BETULA ALBA**

(European White Birch)		
12 to 14 ft., br....	35.00	325.00
10 to 12 ft., br....	27.50	250.00
8 to 10 ft., br....	22.50	200.00
6 to 8 ft., br....	16.50	150.00
5 to 6 ft., br....	12.00	110.00
4 to 5 ft., br....	9.00	85.00
3 to 4 ft., br....	6.50	60.00

**FRAXINUS QUADRANGULATA**

(Blue Ash)		
10 to 12 ft., br....	37.50	350.00
8 to 10 ft., br....	32.50	300.00
6 to 8 ft., br....	27.50	250.00
5 to 6 ft., br....	22.50	200.00
6 to 7 ft., whips...	18.00	165.00
5 to 6 ft., whips...	15.00	135.00
4 to 5 ft., whips...	12.00	105.00

Quantity Prices and Catalog  
Upon Request

**POWELL VALLEY NURSERY**

210 S. E. Vista Ave.  
Gresham, Ore.  
Phone: MOhawk 5-3537

# CLASSIFIED ADS

Rate: 40 cents per line, each insertion.

Minimum order, \$4.00.

Instructions for the July 1 issue must be received by Friday, June 8.

Forms for July 15 issue will close Friday, June 23.

## AZALEAS

**AZALEAS, TRANSPLANTS.**  
Hinodegiri Sherwood Orchid  
Hino-Crimson Sherwood Red  
Coral Bells Flame  
Campfire Amoena  
Snow Montrose  
Glacier Mrs. Pickering  
Stewartsonian Red Progress  
Corsage Sun Star  
Salmon Beauty Boudoir  
Ledifolia alba Bond Street  
Mayfair

\$14.00 per 100, \$125.00 per 1000.  
No shipping charge. Also field-grown, bud-  
ded Azaleas.

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**ROOTED CUTTINGS** (minimum 100).  
Each ..... 100 500 1000  
..... 25c 20c 18c

**DORMANT PLANTS**  
(For shipment September 1961.)  
Each, in lots of 100 250 500 1000  
4 to 6 ins. .... \$0.70 \$0.65 \$0.63 \$0.60  
6 to 8 ins. .... 1.20 1.10 1.00 .90  
8 to 10 ins. .... 1.45 1.35 1.25 1.15

Prices are F.O.B. Secane and include patent  
label for each plant purchased.

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Secane, Pa.

**SEEDS, SEEDLINGS AND TRANSPLANTS**  
Hybrids and species in \$1.00 packets, flats  
and peat pots. Free packing. Ask for list.  
**JOHN VERMEULEN & SON, INC.**  
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For forcing and landscape planting.

Write for our trial list.  
**THE LEVICK NURSERY CO.**  
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### TUBEROUS BEGONIAS

Belgium-grown, clean healthy tubers.  
Double flowering Camellia type. Choice 8  
colors.

1 1/2 to 1 1/2-in., 80, 10 each color \$8.00 postpaid  
1 1/2 to 2-in., 80, 10 each color 10.00 postpaid  
2-in. up, 80, 10 each color 13.50 postpaid  
Pendula (hanging basket type), 6 colors,  
or marginata.

1 1/2 to 2-in., 60, 10 each color 10.00  
2-in. up, 60, 10 each color 12.50  
Lots of 240 or more, discount 10 per cent.

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Dahlias, exhibition varieties: Orfeo, P. of  
H. and Bronze L. C.; Jersey, D-Day,  
Huge Bronze, Orchid, Red, Gold F. D., 100,  
\$15.00; 1000, \$120.00. Rainbow Mix, 100,  
\$12.00; 1000, \$100.00. Write for No. 2 plant-  
ing stock offer. Adams Flower Gardens,  
New Martinsville, W. Va.

Cannas, Rosemond Coles, The President,  
Red and Yel. Humbert, Mme. Crozy, Hun-  
garia, R. Wallace, Bulbs, 150, \$10.00; 1000,  
\$60.00, f.o.b. Adams Flower Gardens, New  
Martinsville, W. Va.

**HOLLAND AND DOMESTIC BULBS**  
FOR SPRING AND FALL  
Write for wholesale price list.  
**DEGROOT BULB CO.**  
12-02 Ellis Ave. Fair Lawn, N. J.

## BUXUS

Old English Boxwood (suffruticosa), 3 to 4  
ins., branched, well-rooted, from open sand-  
peat beds, 6c. Fine for potting or growing on.  
E. F. DuBose Nursery, Huntsville, Ala.

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**HARDY GARDEN MUMS.**  
Strong rooted cuttings, \$6.00 per 100, \$55.00  
per 1000. Send for list of 150 good varieties.

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Dept. A Phone HE 7-3184

**HARDY CHRYSANTHEMUMS**  
Rooted cuttings. Send for spring list.  
**SUNBURY GREENHOUSES**  
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**CLEMATIS VINES**  
Large flowering, from 4-in. pots.  
Blooming size, 1-yr. frame,  
85c each.  
Gipsy Queen, purple  
Lanuginosa candida, white  
Ernest Markham, red  
Lawsoniana, sky-blue  
Ville de Lyon, red  
Plants shipped bare-root.  
Cash with order.

**FOUR STAR NURSERY**  
8215 238th St. W. Edmonds, Wash.

**LARGE-FLOWERING CLEMATIS**  
Heavy rooted cuttings. Each  
Barbara Dibley, pansy-violet ..... \$0.65  
Gipsy Queen, velvety purple ..... .50  
Lord Neville, plum, red bar ..... .65  
Mrs. Spencer Castle, pink ..... .65  
Nelly Moser, mauve-pink, red bar ..... .50  
Ramona, blue ..... .50  
The President, violet-blue ..... .50

**FOUR STAR NURSERY**  
8215 238th St. S. W. Edmonds, Wash.

**CLEMATIS VINES**  
**QUALITY LARGE-FLOWERING HYBRIDS**  
20 OUTSTANDING VARIETIES  
AVAILABLE  
FOR SPRING AND FALL SHIPMENTS  
FROM 4-IN., 3-IN., 2 1/2-IN. POTS  
GREENHOUSE-GROWN  
STERILIZED PRODUCTION  
WRITE FOR COMPLETE LIST  
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**GIANT PACIFIC DELPHINIUMS**  
Astolat, Galahad, Blue Bird, Summer  
Skies, Black Knight, King Arthur. Shipped  
in 2 1/2-in. peat pots, ready to plant or retail.  
50 plants, \$5.50; 100, \$10.00; 500, \$47.50;  
1000, \$90.00.  
**SCHMIDT GREENHOUSES, HARVARD, ILL.**

## EVERGREENS, Liners

### EVERGREEN LINERS

Per 100 Per 1000

**GLOBE ARBORVITAE**  
woodwardi, dark green, 1-yr.  
transplants, 4 to 6 ins. .... \$30.00 \$250.00  
Hovey's green; 1-yr. trans-  
plants, 4 to 6 ins. .... 25.00 200.00  
2-yr. trans. 4 to 6 ins. .... 40.00 300.00

**PYRAMIDAL ARBORVITAE**  
compacta, green, 1-yr.  
transplants, 5 to 7 ins. .... 35.00 300.00

**JUNIPER, Blue Pfitzer**  
(chinensis hetzi), 1-yr.  
transplants, 5 to 7 ins. .... 25.00 200.00

**JUNIPER, Irish** 4-yr. trans-  
plants, 4 to 6 ins. .... 30.00 250.00

**JUNIPER, Andorra**, 1-yr.  
transplants, 4 to 6 ins. .... 30.00 250.00

**JAP. YEW**, grown from seed,  
Taxus cuspidata capitata,  
upright, pyramidal, 4-yr.  
cuttings. .... 200.00

**JAP. YEW**, transplanted rooted  
cuttings.  
Taxus cuspidata, spreading,  
1-yr. transp., 5 to 6 ins. .... 25.00 175.00  
2-yr. transp., 6 to 8 ins. .... 35.00 250.00

Taxus hicksi, upright,  
1-yr. transp., 5 to 7 ins. .... 25.00 175.00  
2-yr. transp., 8 to 10 ins. .... 40.00 300.00

Taxus browni, upright,  
1-yr. transp., 4 to 6 ins. .... 25.00 175.00  
2-yr. transp., 6 to 8 ins. .... 40.00 300.00

Taxus hunnewelliana, semi-  
upright,  
1-yr. transp., 4 to 6 ins. .... 25.00  
Taxus intermedia, spreading,  
1-yr. transp., 4 to 6 ins. .... 25.00 175.00  
2-yr. transp., 6 to 8 ins. .... 35.00 250.00

**JAPANESE HOLLY (Ilex)**,  
retundifolia, transplants,  
6 to 10 ins. .... 35.00 300.00  
convexa, transplants,  
6 to 10 ins. .... 35.00 300.00

crenata hetzi, transplants,  
6 to 10 ins. .... 35.00 300.00

**AMERICAN HOLLY, FEMALE**,  
10 per cent male, 1-yr.  
transplants, 8 to 12 ins. .... 50.00 400.00

**DELIA BRADLEY**,  
1-yr. transp., 8 to 12 ins. .... 50.00 400.00

**MUSSER FORESTS, INC.**  
Box 16QC Indiana, Pa.

## ORNAMENTAL LINERS

Per 100 Per 1000

**Taxus, Adams**  
1-yr., 2 1/2-in. pots ..... \$18.00 \$170.00  
2-yr., 2 1/2-in. pots ..... 24.00 230.00  
3-yr., TT ..... 35.00 325.00

**Taxus andersoni**  
1-yr., 2 1/2-in. pots ..... 18.00 170.00  
2-yr., 2 1/2-in. pots ..... 24.00 230.00  
3-yr., TT ..... 35.00 325.00  
4-yr., TT ..... 42.50 400.00

**Taxus browni**  
1-yr., 2 1/2-in. pots ..... 18.00 170.00  
2-yr., 2 1/2-in. pots ..... 24.00 230.00  
3-yr., TT ..... 35.00 325.00  
4-yr., TT ..... 42.50 400.00

**Taxus cuspidata**  
1-yr., 2 1/2-in. pots ..... 17.00 160.00  
2-yr., 2 1/2-in. pots ..... 22.00 210.00  
3-yr., TT ..... 35.00 325.00  
4-yr., TT ..... 42.00 400.00  
5-yr., TT ..... 62.50 600.00

**Taxus hicksi**  
1-yr., 2 1/2-in. pots ..... 18.00 170.00  
2-yr., 2 1/2-in. pots ..... 23.00 220.00  
3-yr., TT ..... 35.00 325.00  
4-yr., TT ..... 42.00 400.00  
5-yr., TTT ..... 62.50 600.00

**Taxus hunnewelliana**  
2-yr., 2 1/2-in. pots ..... 24.00 230.00

**Ilex convexa**  
3-yr., TT ..... 37.50 350.00  
4-yr., TT ..... 45.00 425.00

**Ilex hetzi**  
3-yr., TT ..... 37.50 350.00  
4-yr., TT ..... 45.00 425.00

**Ilex rotundifolia**  
3-yr., TT ..... 35.00 325.00  
4-yr., TT ..... 42.50 400.00

**Ilex stokesi**, pat. No. 887  
1-yr., 2 1/2-in. pots ..... 25.00 225.00  
2-yr., 2 1/2-in. pots ..... 27.50 250.00  
3-yr., TT ..... 37.50 350.00

We also have transplants in many of these  
items. Please write for complete list.

**TERMS:** No charge for packing. 25 per  
cent with order, balance C.O.D. 250 of a vari-  
ety at 1000 rate. Special quotations on  
large orders.

**HEASLEY BROS. NURSERY**  
R. D. 1, Box 218 Greensburg, Pa.  
Phone LA 7-5532

**ROOTED CUTTINGS AND LINERS**  
Rooted cuttings Each, 100 \$0.08  
Arborvitae, American, 6 to 8 ins. .... .09  
Arbor, woodwardi, 6 to 8 ins. .... .08  
Juniper, Hetz, 6 to 8 ins. .... .09  
Juniper, Irish, 6 to 8 ins. .... .08  
Taxus browni, 6 to 8 ins. .... .08  
Taxus cuspidata, 6 to 8 ins. .... .07  
Taxus cusp. capitata, 6 to 8 ins. .... .10  
Taxus hatfieldi, 8 to 9 ins. .... .09  
Taxus hicksi, 8 to 9 ins. .... .08  
Taxus intermedia, 6 to 8 ins. .... .10  
Taxus wardi, 6 to 8 ins. .... .10

**1-YR. TRANSPLANTS**  
Taxus, Anderson, each ..... .15 .12  
Taxus browni ..... .15 .12  
Taxus hatfield ..... .16 .14  
Taxus hicksi ..... .15 .12

**2-YR. TRANSPLANTS**  
Taxus cuspidata ..... .20 .17  
Taxus wardi ..... .23 .20

**3-YR. TRANSPLANTS**  
Taxus browni ..... .33 .30  
Taxus cuspidata ..... .25 .22  
Taxus wardi ..... .35 .33

**4-YR. TRANSPLANTS**  
Taxus cuspidata ..... .35 .33  
Cash with order, 5 per cent discount. 1/3  
deposit with all orders, balance at shipping  
time. 300 of a variety at 1000 rate.

**NEIDEL'S NURSERY**  
216 Park Ave. Oil City, Pa.

## LINING-OUT EVERGREENS

### SEE OUR DISPLAY AD

### IN THIS ISSUE

### ON PAGE 42.

## CARTWRIGHT NURSERY CO.

Collierville, Tenn.

## TAXUS LINERS

4-yr. transplants, from cuttings, already  
root pruned and cut back to the following  
sizes for spring planting.

Each, 100 1000  
Taxus cuspidata, 12 to 18 ins. .... \$0.55 \$0.45  
Taxus cusp. capitata, 12 to 18 ins. .... .60 .50

**BULK'S NURSERIES, INC.**  
610 W. Montauk Highway Babylon, N. Y.



### SPRING 1961 ROOTED CUTTINGS

Arborvitae, pyramidal, 6 to 10 ins.	100	1000
Arborvitae woodwardi, 6 to 8 ins.	10	100
Juniper, Andorra, 6 to 8 ins.	11	10
Juniper, Hetz, 6 to 8 ins.	10	100
Juniper, Pfitzer, 6 to 8 ins.	10	100
Taxus hicksi, 6 to 10 ins.	09	08
Taxus cuspidata, 6 to 10 ins.	09	08
Taxus browni, 6 to 10 ins.	10	09
Taxus capitata (leaders), 6 to 8 ins.	14	12

1-YR. TRANSPLANTS		
Taxus densiformis	18	15
Taxus capitata	18	15
Taxus cuspidata	15	12
Taxus hicksi	15	12
Taxus browni	18	15
Juniper, Pfitzer (potted)	20	18

2-YR. TRANSPLANTS		
Taxus cuspidata	20	17
Taxus hicksi	20	17
Taxus browni	23	20
Taxus hatfieldi	23	20

3-YR. TRANSPLANTS		
Taxus cuspidata	30	27
Taxus hicksi	30	27
Taxus browni	33	30
Colorado Spruce (seedlings)	32	03

4-YR. TRANSPLANTS		
Taxus cuspidata	40	35
Taxus hatfieldi	40	35
Taxus browni	40	35

50 of a variety at 100 rate.		
300 of a variety at 1000 rate.		

JUNIPER GRAFTS	Per 10	Per 100
Burki	rate	rate
Hillspire	\$0.55	\$0.50

SPRUCE GRAFTS		
Koster, Moerheim, Swartz	\$1.25 each.	
5 per cent discount cash with order.		

BRACKEN NURSERIES		
G-4342 Branch Rd.	Flint	6, Mich.

3-YR. BEDDED, POTTED		
Andorra Juniper, 8 to 10 ins.	Each 100	1000
10 to 15 ins.	T. \$0.50	\$0.40
Pfitzer Juniper, 8 to 10 ins.	T. .50	.40
10 to 15 ins.	T. .60	.50

Pfitzer compact Juniper, 8 to 10 ins.	T. .50	.40
10 to 15 ins.	T. .60	.50
Taxus hicksi, 6 to 10 ins.	T. .45	.40
Thuja globosa, 12 to 15 ins.	T. .50	.45
Thuja pyramidalis, 13 to 24 ins.	T. .60	.50
Thuja waresana (Siberian), 12 to 15 ins.	T. .50	.45

2-YR. POTTED, 2 1/2-IN. POTS		
Juniper, Pfitzer	.27 1/2	.25
Juniper, Pfitzer compacta	.27 1/2	.25
Taxus, Adams columnaris	.30	.27 1/2
Taxus browni	.30	.27 1/2
Taxus hatfieldi	.30	.27 1/2
Taxus intermedia	.30	.27 1/2
Thuja woodwardi	.25	.22 1/2

THE HOLLANDIA GARDENS		
South Vienna, O.		

TSUGA CANADENSIS (Canada Hemlock)		
Collected seedlings		
6 to 9 ins.	\$5.00	\$30.00
9 to 12 ins.	8.00	70.00

Nursery-grown transplants		
Each, 100	1000	
12 to 18 ins., 2-3	\$0.25	\$0.24
12 to 18 ins., 2-3	.50	.40
18 to 24 ins., 2-3	.70	.60

Send for complete trade list of hardy native Ferns, wildflowers, Evergreens, trees and shrubs.		
--	--	--

ISAAC LANGLEY WILLIAMS		
Box AN	Exeter, N. H.	

MIAMI NURSERY PRICE LIST		
2-YR. POTTED STOCK		

The finest: Taxus, Arborvitae, Junipers and broad-leaved liners and rooted cuttings.		
2-yr., pot-grown stock, 7 to 9 ins., sheared, 20c to 25c each, per 1000 rate.		
1-yr.-old, heavy rooted cuttings, 8c to 10c per 1000 rate.		

NOTE: Write for price list with full line of potted stock and rooted cuttings. "GET ACQUAINTED" OFFER on 250 2-yr. pot plants or 250 rooted cuttings. Special prices on large quantities. Samples free on request.		
Call collect TIPP CITY, NO 7-6398.		

MIAMI NURSERY CO., TIPP CITY, O.		
----------------------------------	--	--

EVERGREEN LINERS		
Pyracantha, Ilex, crenata helleri, rotundifolia, burfordii; Cherry Laurel, Aucubas, Pieris and other material in rooted cuttings, 1-yr. and 2-yr. liners.		
Write for price list.		

K&K PROPAGATORS		
R. D. 2, Box 286	Englishtown, N. J.	

BUXUS SEMPERVIRENS, FIELD-GROWN		
5 yrs. old, 8 to 12 ins., 50c each, \$45.00 per 100, \$400.00 per 1000.		

BUXUS SUFFRUTICOSA LINERS		
3 yrs. old	\$25.00 per 100	

NANDINA SEEDLINGS		
6 to 8 ins.	7.00 per 100	
12 to 18 ins.	12.00 per 100	
2 to 3 ft.	25.00 per 100	

PINKSTON NURSERIES, PARROTT, GA.		
----------------------------------	--	--

### EVERGREENS, ROOTED CUTTINGS

Each, 100	1000	
Taxus andersoni, 8 to 10 ins.	09	08
Taxus browni, 8 to 10 ins.	09	08
Taxus densiformis, 8 to 10 ins.	09	08
Taxus Donnell, 8 to 10 ins.	09	08
Taxus hicksi, 8 to 10 ins.	09	08
Taxus intermedia (Seb.), 8 to 10 ins.	09	08
Taxus wardi, 8 to 10 ins.	09	08

F.O.B. Painesville, O.		
KUNDTZ GREENHOUSE & NURSERY		
2077 W. Jackson St.	Painesville, O.	

ROOTED CUTTINGS AND LINERS		
Rooted 1-yr. cuttings 2 1/4-in. pots		
Per 100		
Taxus Vermeulen, 6 to 8 ins.	\$0.09	
Taxus intermedia, 6 to 8 ins.	.10	\$0.22
Taxus browni, 6 to 8 ins.	.09	.22
Taxus mooni, 6 to 8 ins.	.09	.22
Taxus andersoni, 6 to 8 ins.	.09	.22
Taxus fastigiata, 6 to 8 ins.	.09	.22
Taxus cuspidata, 6 to 8 ins.	.08	.20

HILLCREST GREENHOUSE & NURSERY		
Miller Park	Franklin, Pa.	

HEMLOCKS, LINING-OUT STOCK		
Strong liners that will please you.		
Each, 100	1000	
Hemlock, TT, 8 to 10 ins.	25c	22 1/2 c
Hemlock, TT, 10 to 12 ins.	35c	32 1/2 c
Hemlock, TT, 12 to 15 ins.	45c	42 1/2 c

TWIN CEDAR NURSERY		
Williamsburg, Mass.		

### EVERGREENS, B&B

#### WHITE, RED AND SCOTCH PINE

Each, per 100		
WHITE PINE, 2 to 3 ft. B&B	\$2.00	
White Pine, 3 to 4 ft. B&B	3.50	
White Pine, 4 to 5 ft. B&B	4.50	
White Pine, 5 to 6 ft. B&B	6.50	
White Pine, 6 to 7 ft. B&B	9.00	
RED PINE, 2 to 3 ft. B&B	2.50	
Red Pine, 3 to 4 ft. B&B	3.50	
Red Pine, 4 to 5 ft. B&B	4.50	
Red Pine, 5 to 6 ft. B&B	6.50	
Red Pine, 6 to 7 ft. B&B	7.50	
SCOTCH PINE, 2 to 3 ft. B&B	2.50	
Scotch Pine, 3 to 4 ft. B&B	3.50	
Scotch Pine, 4 to 5 ft. B&B	4.50	
Scotch Pine, 5 to 6 ft. B&B	6.50	
Scotch Pine, 6 to 7 ft. B&B	7.50	
Very full, well-trimmed, well-dug by experienced diggers. Dig your own, only \$2.50 each. Over 250 acres with 300,000 Pine, Spruce, Fir and other Evergreens.		

WADE CHRISTMAS TREE FARM		
Route 1	Bellville, O.	
Day Phones: Butler, TU 3-3874; TU 3-3191.		
Mansfield, LA 2-4472, Night Phone, 7:00 to 8:30, Butler, TU 3-3874.		

JUNIPERS, B&B		
3000 Andorra, 15 to 18, 18 to 24, 24 to 30 ins.		
2000 Hetz, 18 to 24, 24 to 30, 30 to 36 ins.		
1000 Pfitzer, 15 to 18, 18 to 24 ins.		
Some 3 to 4 ft.		

ARBORVITAE		
3000 Woodward globe, 15 to 18, 18 to 24 ins.		
3000 nigra, 18 to 24, 24 to 30, 30 to 36 ins.		
1000 Pyramidal, 2 to 3 ft.		

All above in pots also.		
Other kinds in smaller lots. See our ad under Shrubs and Trees.		

NAGLE'S NURSERY		
R. 2, Box 267	Decatur, Mich.	
Phone Garfield 3-3739		

COLORADO BLUE SPRUCE		
Excellent color, full body, well-shaped.		
All in 10 or 12-in. Keidling pots.		
18 to 24 ins.	\$2.75	
24 to 30 ins.	3.50	
30 to 36 ins.	4.25	

WELLER NURSERIES CO.		
P. O. Box 1111	Holland, Mich.	

### GERANIUMS

#### GERANIUMS

Taking orders for 2 1/2-in. Geraniums, July, August, September and October delivery, \$100.00 per 1000.		
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FAIR VIEW GARDENS, INC.		
Fair View Rd. off Sullivan Rd., Aurora, Ill.		
Phone TWIn Oaks 2-0471.		

QUALITY GERANIUM CUTTINGS		
Unrooted, \$4.50 per 100, \$40.00 per 1000; rooted, \$8.50 per 100, \$80.00 per 1000. Special varieties slightly higher. Catalog of over 150 leading varieties free.		

C. SECRIST, MUSCATINE, IA.		
Classified Ads Offer Maximum Results at Minimum Cost.		

### GROUND COVERS

Hardy Myrtle (Vinca minor), plants with 20 leads or more and good roots, \$5.00 per 100, \$45.00 per 1000. Pachysandra, sand-rooted cuttings, \$40.00 per 1000. English Ivy, sand-rooted cuttings, \$40.00 per 1000. Cash. Also potted stock of all items listed.		
Samuel I. Minder, 1248 Wabank Rd., Lancaster, Pa. Phone EX 3-6347.		

Vinca minor Bowles variety, 2 1/2-in. pots, \$18.00 per 100, \$150.00 per 1000.		
Gulf Stream Nursery, Inc., Wachapreague, Va.		

### GROUND COVERS

Hardy Myrtle (Vinca minor, Periwinkle), large individually made-up clumps of 20 to 25 leads; finest quality, \$50.00 per 1000. Lonicera Hall's halliana (Creeping Honeysuckle), 3-yr., branched, machine dug for better plants and standardized for landscaping the larger areas, \$47.50 per 1000; 5000 or more plants, \$45.00 per 1000. Pachysandra terminalis, excellent 1 to 2-yr. rooted cuttings, \$50.00 per 1000. English Ivy (Hedera helix), 1 to 2-yr. rooted cuttings, propagated outside under mist, \$50.00 per 1000. Euonymus coloratus, rooted cuttings, \$65.00 per 1000. Euonymus vegetus, \$65.00 per 1000. Euonymus patens, \$45.00 per 1000. Euonymus radicans, \$50.00 per 1000. Mixed Ferns, \$75.00 per 1000. Can furnish all of the above in 2 1/2 to 3 1/2-in. pots (ask about prices).		
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IVYDALE NURSERY		
Box 41, Upper River Rd.	Gallipolis, O.	

GROUND COVER, VINCA MINOR	1000	
Clumps, 10 to 15 leads	\$35.00	
15 to 20 leads	50.00	
Hall's Honeysuckle, 1-yr. tr.	45.00	

O. H. PERRY NURSERY CO.		
Box 545	McMinnville, Tenn.	

Start Your Offer Now		
in the American Nurseryman		
And Watch Sales Climb		

### HARDY PLANTS

#### PERENNIALS

Ready for landscaping size.		
Heavy ONE-YEAR-OLD field-grown plants.		
Over 525 choice HARD TO GET perennials grown exclusively by		

SPRINGBROOK GARDENS, INC.		
Mentor, O.		
Send for free catalog.		

GYSOPHILAS		
PERFECTA, new, large-flowered, pure white; long-stemmed for cut.		
PINK FAIRY, new, large-flowered, clear pink; short-stemmed, ideal for garden or florist corsage work.		

PRICE SCHEDULE: 2 1/2-in. pots, 25, \$6.25; 100, \$22.00; 1000, \$200.00.		
CUNNINGHAM GARDENS, INC.		
Waldron, Ind.		

America's best source for Hardy Plants is		
THE WAYSIDE GARDENS		
Mentor, Ohio		
Write for Trade List.		

A MILLION FIELD-GROWN PERENNIALS		
More than 300 kinds. Delivery now.		
Send for list.		

SUPERIOR VIEW FARM		
Bayfield, Wis.		

HARDY PLANTS		
Please see our ad on page 63 in the April 15 issue or write for our current price list.		
VAN ENGLEN'S NURSERY		
206 Richard Ave.	Kalamazoo, Mich.	

BETTER PERENNIAL PLANTS		
with that wonderful root system.		
FINEST FIELD-GROWN		
Over 500 varieties.		

WELLER NURSERIES CO., Holland, Mich.		
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PITZONKA'S FIELD-GROWN PERENNIALS		
Write for trade list.		
PITZONKA'S PANSY FARM & NURSERY		
Bristol, Pa.		

Liriope (Ophiopogon, or Mondo Grass), hardy evergreen for walks and borders; good, strong divisions, \$20.00 per 1000.		
Mountville Nurseries, Mountville, Ga.		

HARDY PERENNIALS AND LINERS		
Mountain-grown. Ask for list.		
AVALON MOUNTAIN GARDENS, Dana, N. C.		

SPECIALISTS IN HARDY PERENNIALS		
Ask for wholesale offer.		
PEARCE SEED CO., Moorestown, N. J.		

Surplus Stock		
can be easily and quickly turned into Cash		
by listing it in the		
American Nurseryman Classified Ads.		

### HEMEROCALLIS

#### HEMEROCALLIS

Ideal for mass planting in parks and landscaping jobs or for gift plants. All blooming-size stock. Strong 1 to 2-plant divisions, in shades of yellow, red, rose, wine, bronze and bicolor.		
Separate colors	\$50.00 per 1000	
No selection of color or variety	30.00 per 1000	
Minimum order 500 plants. Send for list of over 300 top-notch varieties, old and new.		
RIEGLER PLANT CO., EXPERIMENT, GA.		

HEMEROCALLIS		
Send for wholesale list.		
MIDDLEPEN PLANTATION		
Orangeburg, S. C.		

## HIBISCUS

**HENDERSON'S GIANT HARDY HYBRID HIBISCUS (MALLOW TYPE)**  
Becoming very popular as a summer blooming plant. 8 to 10-in. gorgeous blossoms set gardens aflame. All shades of red, pink, rose and white with red eye. Hardy from coast to coast. Can be reset bare-root any time of year, even may be dug when in full bloom, cut to short stubs and will quickly rebloom. Landscaper's delight. Fine can plant, and especially adapted to mail-order business. Come in two grades, all blooming stock, mixed colors.

Grade	Lots, 10	100	1000
Large	.....\$4.00	\$20.00	\$150.00
Medium	.....12.50	100.00	

500 at 1000 rate. Booking orders for immediate or future delivery. No selection of colors. Send for list of named varieties and other plants.

**RIEDEL PLANT CO., EXPERIMENT, GA.**

## HOLLY

**HOLLY**  
Bleed, female, green.  
English, silver variegated.  
2½-in. pots, 8 ins. tall, 30c; 10 ins. tall, 35c; 12 ins. tall, 40c; 4-in., well-branched, 75c. 4-in. pots, Osmanthus ilicifolius variegatus, well-branched, 75c.  
Ready now. Cash with order, please.  
**KRUSCHKE GREENHOUSES**  
Route 2 Clackamas, Ore.  
**ILEX GRENATA VARIETIES**  
500 rotundifolia, 4500 hetzel,  
100 microphylla, in 2½-in. peat pots,  
12½c each, \$600.00 for the lot.  
F.O.B. Onley, Va.  
Ready now. Jap. beetle zone only.  
**BROADLEAF GARDENS**  
US Route 15 Onley, Va.

**ILEX OPACA**  
Named varieties of northern origin, in sizes from 2 ft. to 6 ft., priced according to height and fullness. A few larger sizes. Also crenata rotundifolia, Hetz and convexa.  
**SIMPSON ORCHARD CO., INC.**  
1504 Wheatland Rd. Vincennes, Ind.  
Phone TU 2-2441

**ILEX OPACA**  
**HARDY PROVEN VARIETIES**  
**WHOLESALE SUPPLIERS**  
**OF LINING-OUT STOCK**  
Write for our price list.  
**F. R. GENARD**  
Box 54 New Lisbon, N. J.

**AMERICAN, ENGLISH JAPANESE**  
2½ and 3-in. peat pots. List on request.  
**JOHN VERMEULEN & SON, INC.**  
P. O. Box 336A Neshanic Station, N. J.  
Ilex bullata crenata convexa and Ilex crenata rotundifolia, sturdy plants, \$12.00 per 100. Tidwell Nurseries, Greenville, Ga.

## HONEYSUCKLES

**HONEYSUCKLES**  
Lonicera japonica halliana, extra-heavy No. 1, 3 and 4-yr., 18 to 24-in. field plants. 3, 4 to 6 leads, \$40.00 per 1000; lighter grade, \$30.00 per 1000; sample, 100, \$4.00. Experienced labor for grading and packing quantity orders. Immediate shipment. No order too large. Phone OR 2-4612.  
**ROBINSON NURSERY CO., Greenville, Ga.**

Hall's Honeysuckle (Lonicera japonica halliana), good plants, well packed, 1000, \$25.00.  
Mountville Nurseries, Mountville, Ga.

## IVIES

**BALTIC IVY**  
Thorndale, sub-zero strain, landscaping size, 2-in. pots, \$14.00 per 100, \$125.00 per 1000; rooted cuttings, \$7.50 per 100. New Wilson strain, pots, 15c; rooted cuttings, 8½c.  
**STRATFORD GARDENS**  
Russell Breece, R. 9 Delaware, O.

**IVIES**  
English Ivy, 2½-in. pots.....\$10.00 \$90.00  
Baltic Ivy (German), 2½-in.....10.00 90.00  
True Baltic (2 plants), 2½-in.....15.00 125.00  
**SUNNYBROOK FARMS NURSERY**  
2825 Mayfield Rd. Chesterland, O.  
Phone PA 9-7232

English Ivy, large or small leaf; good plants from open field beds, \$5.00 per 100, \$40.00 per 1000.  
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Small Ads Do Great Things in the American Nurseryman Classified Section.

## LAWN GRASS AND SEED

**LAWN GRASS SEED**  
"Pure Ky." Blue Grass seed, grown on our farm in Lexington. Good quality. Government tested, \$31.00 per 100 lbs., or 85c per lb. in smaller quantities. F.O.B. here. Cash with order. Phone 946-0044.  
**FAIR ACRES NURSERY**  
39160 Mentor Ave. Mentor, O.

## LAWN SEED

Wholesale prices. F.O.B. New York.  
300 lbs. will be shipped freight paid.  
50 lbs. 100 lbs.  
**Sunny Best Mixture, contains**  
30 per cent Merion Blue  
Grass .....\$37.50 \$69.00  
**Shady Best Mixture, contains**  
Wood Mixture Grass .....24.50 43.00  
**Landscape Gardener's Mixture,**  
with or without clover .....21.00 36.00  
Also formulas for cemeteries, athletic fields, golf courses, etc. Send for complete wholesale list which includes current quotations for all individual grasses.

**HERBST BROTHERS, SEEDSMEN, INC.**  
678 Broadway New York 12, N. Y.

## LINING-OUT STOCK

**LINING-OUT STOCK**  
Bedded 1-yr. in the open. 100 1000  
Ilex convexa .....\$20.00 \$150.00  
Ilex rotundifolia .....20.00 150.00  
Ilex hetzel .....20.00 180.00  
Juniperus pfitzeriana .....20.00 180.00  
Juniperus hetzel .....20.00 180.00  
Taxus andersoni .....20.00 175.00  
Taxus brevifolia .....20.00 175.00  
Taxus capitata, cutting-grown. 25.00 225.00  
Taxus capitata, Adams, cutting-grown .....25.00 225.00  
Taxus canadensis stricta .....16.00 150.00  
Taxus cuspidata .....17.50 150.00  
Taxus hatfieldi .....17.50 150.00  
Taxus hunnewelliana .....17.50 150.00  
Taxus hicksii .....17.50 150.00  
Taxus intermedia .....20.00 175.00  
Taxus henryi .....20.00 175.00  
Taxus densiformis .....20.00 175.00  
Taxus vermeuleni .....17.50 150.00  
Taxus wardi .....17.50 150.00  
Taxus Moon's columnaris .....20.00 175.00  
Taxus browni .....17.50 150.00  
Ilex convexa, 6 to 9 ins. ....\$25.00 \$200.00  
Ilex rotundifolia, 6 to 9 ins. ....25.00 200.00  
Ilex hetzel, 6 to 9 ins. ....25.00 200.00  
Taxus Adams col., 12 to 15 ins. 50.00 450.00  
Taxus Moon's col., 8 to 12 ins. 30.00 250.00  
Taxus cuspidata, 6 to 9 ins. ....30.00 250.00  
Taxus hatfieldi, 6 to 9 ins. ....30.00 250.00  
Taxus cuspidata comp. 6 to 9 ins. ....30.00 250.00  
Taxus hunnewelliana, 6 to 9 ins. 30.00 250.00  
Taxus browni, 6 to 9 ins. ....30.00 250.00  
Taxus intermedia, 6 to 9 ins. ....30.00 250.00  
**TAXUS CAPITATA, SEEDLING-GROWN**  
1-yr. seedlings .....\$ 6.00 \$ 50.00 \$100.00  
2-yr. seedlings .....10.00 90.00 750.00  
3-yr. seedlings .....17.50 150.00 1250.00  
4-yr. seedlings, transplanted, 6 to 10 ins. 30.00 250.00 2250.00  
**CORNUS FLORIDA (WHITE DOGWOOD)**  
Seedlings  
1-yr., No. 1 grade.....\$ 6.00 \$ 50.00 \$150.00  
1-yr., No. 2 grade.....5.00 40.00 350.00  
1-yr., No. 3 grade.....4.00 30.00 250.00  
2-yr., No. 1 grade.....12.50 100.00 900.00  
2-yr., No. 2 grade.....10.00 90.00 750.00  
Special prices on large quantities.  
Full list on request.

**VERKADE'S NURSERIES, WAYNE, N. J.**  
**POT-GROWN GRAFTS, SHIPPING NOW**  
Per 100  
Acer palmatum atropurpureum .....\$ 75.00  
Acer pal. atro. Bloodgood .....75.00  
Acer dissectum .....75.00  
Acer dissectum atropurpureum .....75.00  
Abies nobilis glauca .....100.00  
Abies nordmanniana .....100.00  
Biota aurea nana .....50.00  
Cedrus atlantica glauca .....75.00  
Cedrus atlantica aurea .....100.00  
Cedrus deodara pendula .....100.00  
Carpinus betulus fastigiata .....60.00  
Cornus florida rubra .....50.00  
Cornus florida pendula .....65.00  
Cornus florida velchii var. ....60.00  
Cornus florida flore-plena .....60.00  
Cornus kousa chinensis .....60.00  
Cornus kousa speciosa .....60.00  
Fagus sylvatica purp. pendula .....75.00  
Fagus sylvatica pendula .....60.00  
Fagus sylvatica Tricolor .....75.00  
Fagus sylvatica heterophylla .....60.00  
Fagus sylvatica fastigiata .....60.00  
Hamamelis mollis fastigiata .....50.00  
Hamamelis brevipedata .....75.00  
Picea pung. glauca moerhousii .....125.00  
Picea pung. glauca pendula .....100.00  
Picea pung. pendula .....100.00  
Picea excelsa pendula .....100.00  
Picea excelsa fastigiata .....100.00  
Picea excelsa remont .....100.00  
Picea excelsa gregoryana .....100.00  
Picea excelsa inversa pendula .....100.00  
Pinus cembra .....60.00  
Pinus watereri glauca .....60.00  
Pinus strobus nana .....60.00  
Pinus strobus fastigiata .....60.00  
Pinus strobus pendula .....60.00  
Pinus parviflora glauca .....60.00  
Pine, Tanyosho .....60.00  
Full list on request.

**VERKADE'S NURSERIES, WAYNE, N. J.**  
**POT-GROWN GRAFTS, SHIPPING NOW**  
Per 100  
Juniperus, chin. pfitzeriana .....\$12.00 \$100.00  
chin. pfitzeriana glauca .....16.00 150.00  
chin. columnaris .....16.00 150.00  
chin. sargentii .....16.00 150.00  
com. suecica .....16.00 150.00  
glauca hetzel .....16.00 150.00  
virg. keteleeri .....16.00 150.00  
virg. burki .....18.00 170.00  
sabina .....12.00 100.00  
sabina Von Ehron .....12.00 100.00  
sabina tamariscifolia .....16.00 150.00  
Taxus capitata, cutting-grown 16.00 150.00  
Vicary Privet .....12.00 100.00  
Photinia serrulata .....12.00 100.00  
Nandina domestica .....12.00 100.00  
Ginkgo biloba .....12.00 .....  
Ilex cornuta femina .....15.00 140.00  
Ilex cornuta burfordi .....15.00 140.00  
heavy

**EMIL R. BRESSER**  
**FLORIST AND NURSERYMAN**  
P. O. Box 973 Muskogee, Okla.

**HEAVY 3-YR. TRANSPLANTS, SHEARED**  
Taxus browni, 10 to 12 ins.  
Taxus cuspidata, 10 to 12 ins.  
Taxus densiformis, 10 to 12 ins.  
Taxus halloran, 10 to 12 ins.  
Taxus henryi, 10 to 12 ins.  
Taxus hicksii, 10 to 12 ins.  
Taxus Moon's columnaris, 10 to 12 ins.  
Taxus Sebian intermedia, 10 to 12 ins.  
Taxus hunnewelliana, 10 to 12 ins.  
Taxus thayerae, 10 to 12 ins.  
Taxus wardi, 10 to 12 ins.  
Taxus capitata, 3-yr. seedlings, 6 to 9 ins.  
Thuja occidentalis, 3-yr. transp., 8 to 10 ins.

**VERKADE'S NURSERIES**  
New London, Conn.

**STRONG LINING-OUT STOCK**  
50,000 Ilex rotundifolia, 3 to 4 ins. ....3c  
**E. F. DUBOSE NURSERY**  
Huntsville, Ala.

## LINING-OUT STOCK

All plants bare-root except where noted.  
Average Evergreens, 6 to 8 ins. or better.  
Shrubs, etc., 8 to 10 ins. or better. Best roots in the business. We ship all 12 months.

**EVERGREENS**  
Andorra Juniper .....\$0.05  
Armstrong Pfitzer Juniper .....10  
Blue Hetz Juniper .....05  
Burk Juniper (upright tree), no competition can touch you on Burk .....12  
Hillbush Juniper (virginialis) .....12  
Pfitzer Juniper .....07  
Savin Juniper .....06  
Taxus cuspidata .....10  
Von Ehron Juniper (dwarf Pfitzer, bands) .....16  
**BROADLEAFS**  
Euonymus carrierei .....04  
Euonymus coloratus .....04  
Euonymus patens Flagpole (small leaf) .....04  
patens, large leaf .....04  
patens Newport (medium leaf) .....04  
patens Owen (small leaf) .....04  
patens Rosehill (medium leaf) .....04  
Honeysuckle, Purple Leaf (Texas). Vine. Fine for cans and planters. ....04  
Pyraecantha Kasan, a heavy berried island. Hardier .....05  
Pyraecantha lalandi .....05  
Pyraecantha pauciflora cans and planters .....05  
Less than 300 total order, 2c more per plant. Less than 50 of any item, 4c more per plant.

**McNINCH GREENHOUSES**  
St. Joseph, Mo.

**ROOTED CUTTINGS**  
Berckmans' Arborv. Chamaecyparis allum  
Spiny Greek Juniper Blue Lawson  
Retinispora crispis Retinispora ericoides  
Baker's Arborvitae Podocarpus  
Globe Arborvitae Green Pittosporum  
Pfitzer Juniper Ilex East Palatka  
Ilex burfordi Photinia serrulata  
Ilex bullata Photinia glabra  
Hetz Juniper 10 100 1000  
3 to 5 ins., rooted cuttings \$1.00 \$6.00 \$50.00  
Pfitzer Juniper Photinia glabra  
Var. Pittosporum 10 100 1000  
4 to 6 ins. ....\$1.50 \$8.00 \$75.00  
Dwarf Euonymus Viburnum suspensum  
Viburnum odorat. Buxus japonica  
Buxus harlandi Ilex rotundifolia  
Gardenia radicans Ilex burfordi  
10 100 1000  
4 to 6 ins. ....\$1.00 \$6.00 \$50.00  
3 to 5 ins., rooted cuttings .75 \$5.00 \$40.00  
Viburnum odorat. Buxus japonica  
Photinia serrulata Baker's Arborvitae  
Buxus harlandi Ilex burfordi  
Globe Arborvitae 10 100 1000  
6 to 8 ins. ....\$2.00 \$12.50 \$100.00  
Podocarpus Photinia glabra  
Ilex rotundifolia Gardenia fortunei  
Gardenia radicans Ilex bullata  
10 100 1000  
6 to 8 ins. ....\$2.00 \$12.50 \$100.00  
8 to 12 ins. ....2.50 15.00 125.00

**FLOWERWOOD NURSERY**  
P. O. Box 206 Cairo, Ga.

**2½-IN. POT-GROWN LINING-OUT STOCK**  
Per 100 Per 1000  
Juniperus, chin. pfitzeriana .....\$12.00 \$100.00  
chin. pfitzeriana glauca .....16.00 150.00  
chin. columnaris .....16.00 150.00  
chin. sargentii .....16.00 150.00  
com. suecica .....16.00 150.00  
glauca hetzel .....16.00 150.00  
virg. keteleeri .....16.00 150.00  
virg. burki .....18.00 170.00  
sabina .....12.00 100.00  
sabina Von Ehron .....12.00 100.00  
sabina tamariscifolia .....16.00 150.00  
Taxus capitata, cutting-grown 16.00 150.00  
Vicary Privet .....12.00 100.00  
Photinia serrulata .....12.00 100.00  
Nandina domestica .....12.00 100.00  
Ginkgo biloba .....12.00 .....  
Ilex cornuta femina .....15.00 140.00  
Ilex cornuta burfordi .....15.00 140.00  
heavy

**EMIL R. BRESSER**  
**FLORIST AND NURSERYMAN**  
P. O. Box 973 Muskogee, Okla.

**HEAVY 3-YR. TRANSPLANTS, SHEARED**  
Taxus browni, 10 to 12 ins.  
Taxus cuspidata, 10 to 12 ins.  
Taxus densiformis, 10 to 12 ins.  
Taxus halloran, 10 to 12 ins.  
Taxus henryi, 10 to 12 ins.  
Taxus hicksii, 10 to 12 ins.  
Taxus Moon's columnaris, 10 to 12 ins.  
Taxus Sebian intermedia, 10 to 12 ins.  
Taxus hunnewelliana, 10 to 12 ins.  
Taxus thayerae, 10 to 12 ins.  
Taxus wardi, 10 to 12 ins.  
Taxus capitata, 3-yr. seedlings, 6 to 9 ins.  
Thuja occidentalis, 3-yr. transp., 8 to 10 ins.

**VERKADE'S NURSERIES**  
New London, Conn.

**STRONG LINING-OUT STOCK**  
50,000 Ilex rotundifolia, 3 to 4 ins. ....3c  
**E. F. DUBOSE NURSERY**  
Huntsville, Ala.

L. I. GROWN LINING-OUT STOCK	
2-yr.-old, lath-grown and sheared	100
1800 Taxus thayerae cusp., 8 to 10 ins.	\$35.00
1500 Taxus hicksii, 8 to 10 ins.	35.00
500 Taxus capitata, 10 ins.	40.00
2000 Taxus intermedia cusp., 8 to 10 ins.	35.00
2800 Hetz Juniper, 10 to 12 ins.	35.00
2000 Ilex convexa bullata, 9 to 10 ins.	40.00
900 Ilex crenata, 9 to 12 ins.	40.00
2000 Hybrid Rhododendrons	\$2.00 each
400 Ilex opaca	.75 each
4-YR.-OLD, FIELD-GROWN YEW	
2000 Taxus densiformis	.60c
1000 Taxus capitata	.75c
1000 Taxus thayerae	.60c
1000 Taxus kersbergeni	.60c
Pachysandras and English Ivy in flats.	
BRAND'S NURSERY	
912 Park Ave. Huntington, L. I., N. Y.	
Phone Hamilton 3-2456	

HEAVY LINERS FOR SPRING	
Azalea mollis	Each
1-yr., TT	\$0.25
2-yr., TT, br.	.35
3-yr., TT, potting grade, budded	.75
Leucothoe catesbaei	
7 to 12 ins.	.45
Pieris floribunda	
9 to 15 ins., budded	.75
Pieris japonica	
6 to 12 ins.	.45
12 to 15 ins.	.75
Rhododendron hybrid seedlings	
9 to 15 ins.	.15
Ilex hetzi	
9 to 15 ins.	.45
DUGAN NURSERIES, INC.	
Center St. Perry, O.	

LINERS FROM FIELD BEDS	
Taxus, brown, 1-yr., T, 6 to 8 ins.	\$17.50
brown, 2-yr., T, 8 to 10 ins.	25.00
brown, 3-yr., T, 8 to 12 ins.	35.00
hatfield, 1-yr., T, 6 to 8 ins.	17.50
hatfield, 2-yr., T, 8 to 10 ins.	25.00
hatfield, 3-yr., T, 10 to 12 ins.	35.00
hatfield, 4-yr., TT, 10 to 14 ins., hvy.	50.00
kelsey, upr., 2-yr., TT, 8 to 10 ins.	25.00
Ilex opaca, vars.; Farage, Merry Christ-	
mas, male, 3-in. pots, 6 to 10 ins.	35.00
3 to 4-in. pots, 12 to 18 ins.	75.00
Zelkova serrata, 2-yr. sdgs., 15 to 24.	20.00
BLAKE'S NURSERY	
P. O. Box 93 Saddle River, N. J.	

BETTER BUSINESS WITH FINER LINERS  
A "Better Business" starts with "FINER LINERS." Quality is high, prices are right, packing is free, discounts are liberal. List on request. See our ad, page 47, April 1.  
JOHN VERMEULEN & SON, INC.  
P. O. Box 336A Neshanic Station, N. J.

SPECIAL SALE!  
50,000 heavily rooted Ilex rotundifolia, 3 to 4 ins., were 4c, now 3c, as long as they last.

E. F. DuBOSE NURSERY  
Huntsville, Ala.

LINERS OF THE BETTER KINDS  
Novelties and rare items.  
Write for price list.  
GULF STREAM NURSERY, INC.  
Wachapreague, Va.

Taxus, Ilex, broad-leaved Evergreens, etc., in variety. Write for our latest list of liners and finished stock.  
Del-Mar-Va Nurseries, Box 3, Lincoln, Del.

MAGNOLIAS	
MAGNOLIA GRANDIFLORA	
2½-in. pots.	
8 to 10 ins.	12c
10 to 16 ins.	16c
16 to 20 ins.	18c
Qt. cans	
12 to 16 ins.	20c
20 to 30 ins.	25c
30 to 36 ins.	30c
B&B stock	
2 to 3 ft.	\$1.50
3 to 4 ft.	2.00
4 to 5 ft.	3.00
5 to 6 ft.	4.00
6 to 7 ft.	5.25
7 to 8 ft.	6.75

The above liners were grown in the open and are hardy. The B&B stock will be wrapped in rot-proof burlap and string if so desired. Plants root pruned.  
BIG RIVER NURSERY, DUNDEE, MISS.  
Phone 572-R4, Tunica, Miss.

Magnolia grandiflora, beautiful old-fashioned evergreen tree. Stocky plants, 6 to 8 ins., \$12.00 per 100, \$100.00 per 1000; 10 to 15 ins., \$17.50 per 100.  
Tidwell Nurseries, Greenville, Ga.

NEW ROYAL STAR HARDY MAGNOLIA  
See our ad, page 40, April 15 issue.  
JOHN VERMEULEN & SONS  
Neshanic Station, N. J.

MAPLES  
MAPLES  
COLLECTED ACER  
RUBRUM AND SACCHARUM  
from whips to 4-in. caliper.  
CURTIS NURSERIES, INC.  
Callicoon, N. Y.

## MYRTLE

HARDY MYRTLE (VINCA MINOR)  
20 to 30 leads, \$8.00 per 100.  
500 to 2500, \$60.00 per 1000.  
2500 to 5000, \$50.00 per 1000.  
Cash or established credit.  
VAUGHAN'S NURSERY  
15910 Cleveland Rd. Granger, Ind.  
Phone South Bend CE 3-3318

## PACHYSANDRAS

800,000 PACHYSANDRAS  
Hand-selected, field-grown cuttings.  
\$35.00 per 1000.  
Free packing, check with order.

MARTIN VIETTE NURSERIES  
Route 25-A East Norwich, L. I., N. Y.  
Phones, Wells 1-2372 or PErshing 1-6255

200,000  
PACHYSANDRAS  
Strong rooted cuttings from July, 1960.  
Ready now for spring delivery.  
\$38.00 per 1000.  
\$35.00 per 1000, lots of 5000 or more.  
Check with order. Prompt shipment.  
Write for free sample.  
TOWN & COUNTRY NURSERY  
4202 Fordleigh Rd. Baltimore 15, Md.

PACHYSANDRAS  
1-yr.-old, frame-grown, well-rooted cuttings, \$5.50 per 100, \$43.00 per 1000; \$40.00 per 1000 for 5000 or more. Order now for immediate delivery.  
RUSSELL GUTHRIE  
123 Franklin St. Tarrytown, N. Y.

PACHYSANDRAS  
Strong rooted cuttings, \$4.25 per 100, \$40.00 per 1000. No C.O.D. orders.  
DUNWOODIE NURSERIES  
6 Smart Ave. Yonkers, N. Y.

VARIEGATED PACHYSANDRA  
Pachysandra Silver Edge, 2½-in. pots, \$21.50 per 100, \$180.00 per 1000.  
GULF NURSERY, INC.  
Wachapreague, Va.

Pachysandras, strong plants, grown in soil frames with light shade. First-class stock, \$6.50 per 100, \$53.00 per 1000; \$50.00 per 1000 for 5000 or more, including good packing.  
Peekskill Nursery, Shrub Oak, N. Y.

PACHYSANDRA TERMINALIS  
1-yr., field-grown, \$60.00 per 1000.  
HILLCREST GREENHOUSES  
Miller Park Franklin, Pa.

Turn Stock into Dollars  
by Listing It in the Classified Ads  
of the American Nurseryman.

## PEONIES

PEONIES  
Adolphe Rousseau, Baroness Schroeder, Duchesse de Nemours, Festiva Maxima, Sarah Bernhardt, Lady Alex. Duff, Marie Lemoine, Mons. Jules Elie, Reine Hortense.  
2-yr.-old, whole clumps, not divided, 6 eyes and up, \$75.00 per 100, \$700.00 per 1000; divisions, 3 to 5 eyes, \$40.00 per 100, \$350.00 per 1000.  
VERKADE'S NURSERIES, WAYNE, N. J.  
Herbaceous, fern-leaved, species and Tree Peonies. Free list of 570 kinds.  
Atha Gardens, West Liberty 6, O.

## For \$4.00

you can offer that surplus in a classified ad of 10 lines on these pages—quickly and easily turning stock into cash.

## At 40c PER LINE

you can keep a list of specialty items before trade buyers through the selling season at small cost.

Send your copy (count 6 average words to line) for the July 1 issue to reach us June 8.

Forms for the July 15 issue will close June 23.

AMERICAN NURSERYMAN  
343 S. Dearborn St. CHICAGO 4, ILL.

## PHLOX

PHLOX SUBULATA  
(Creeping Phlox)  
Admiration, cameo-pink with white eye  
Alba, an excellent pure white  
Astro, deep orchid-rose  
Atropurpurea, rich wine-red  
Blue Hills, attractive medium blue  
Butterfly, lilac blush, showy purple eye  
Crimson Beauty, brilliant cyclamen-red  
Red Wing, finest large flowering red  
Sensation, bright pink with red eye  
Transplants, \$9.50 per 100, \$90.00 per 1000.  
Liners, \$5.00 per 100, \$45.00 per 1000.  
250 or more of same variety at 1000 rate.  
Prices are prepaid, we pay transportation.  
Terms: Cash with order.  
TANGLEWOOD FARM  
P. O. Box 336-N Ph. 833-2583 Clinton, S. C.  
Phlox subulata, beautiful evergreen border plant, very hardy, in bright red, rose-pink, pure white and blue; large, strong field-grown plants, \$8.00 per 100, \$60.00 per 1000. Fast service, fresh delivery.  
Tidwell Nurseries, Greenville, Ga.

## PIERIS

ANDROMEDA  
(Pieris japonica)  
One of the most beautiful broad-leaved Evergreens.  
Per 100 Per 1000  
1 to 2 ins. \$ 6.00 \$ 50.00  
2 to 3 ins. T. 8.00 75.00  
4 to 6 ins. T. 15.00 140.00  
6 to 8 ins. TT. 20.00 190.00  
300 at 1000 rate. Shipped prepaid to your nursery.  
PLANE VIEW NURSERY  
1355 W. Main Rd., Rt. 114 Newport, R. I.  
JAPONICA, SPECIES, NEW SELECTIONS  
Floribunda, seedlings and transplants. List on request.  
JOHN VERMEULEN & SON, INC.  
P. O. Box 336A Neshanic Station, N. J.

## PRIVET

Thousands of Amur River North Privet.  
Per 100 Per 1000  
18 to 24 ins. \$3.00 \$25.00  
2 to 3 ft. 4.00 30.00  
3 to 4 ft. 5.00 40.00  
Immediate shipment. Satisfaction guaranteed.  
Robinson Nursery Co., Greenville, Ga.

## RHODODENDRONS

RHODODENDRONS  
If you are looking for the biggest plant at the lowest price, a "real buy," etc., this is not the place. But if you value true quality, craftsmanship and thought in the production of fine plants selling at fair prices, we should get together. Send for our new list.  
QUALITY QUICKLY PAYS FOR ITSELF  
WELLS NURSERY  
Box 141 Red Bank, N. J.

## RHODODENDRONS

Cutting-grown liners.  
Quality only.  
VAN VEEN NURSERY  
3127 S. E. 43 Ave. Portland 6, Ore.

HYBRID RHODODENDRONS  
Excellent quality,  
for landscaping and garden centers.  
PARMENTIER'S ROSES  
Bayport, L. I., N. Y.  
Phone Bayport 8-0811.

SEEDS, SEEDLINGS AND TRANSPLANTS  
Hybrids and species in \$1.00 packets, flats and peat pots. Free packing. Ask for list.  
JOHN VERMEULEN & SON, INC.  
P. O. Box 336A Neshanic Station, N. J.

RHODODENDRONS  
Hardy, hybrid seedlings, liners.  
Write for prices and sizes.  
THE LEVICK NURSERY CO.  
R. F. D. 3 Bridgeton, N. J.

Sell Stock Quickly and Easily with  
American Nurseryman Classified Ads.

## ROSEBUSHES

ROSEBUSHES  
We grow our own Rosebushes and have over 120 varieties (patent and standard, OLD and NEW) to choose from. Our Rosebushes are grown 2 yrs. in the field under the expert supervision of one of the world's leading plant pathologists, using the Manzanita-Trifon method of disease control. Our Rosebushes are clean, healthy and just bursting with energy. Bare-root BULK Roses are packed FREE in corrugated Poly-lined boxes. Please write, wire or telephone for our new variety and price lists.  
MARTIN'S ROSE NURSERY  
P. O. Box 155 Phone UL 9-2191 Arp, Tex.



## ROSEBUSHES—Continued

EVERBLOOMING MINIATURE ROSES		
World's largest selection, over 60 varieties. "Money-makers." See them or write for list. We ship branched own roots, 2 1/2-in. pot size.		
*Recommended for forcing Per 10 For 100		
*RED, Spring Hill's choice.....	\$4.00	\$35.00
*CUPIDO, nearly black-crimson....	4.50	40.00
*MIDGET (pat. 446), fine rose-red	4.50	40.00
*MON PETIT, cherry-red.....	4.50	40.00
*OAKINGTON RUBY, favorite red	4.50	40.00
*PRINCE CHARMING, crimson....	5.00	45.00
*PINK, Spring Hill's choice.....	4.00	35.00
*BABY BUNTING, cameo-pink....	5.00	45.00
*POMPON DE PARIS, pink.....	4.50	40.00
*ROULETTI, pink Swiss Alpine....	4.50	40.00
*SIMPLE SIMON, new salmon-pk....	6.00	55.00
*WHITE, Spring Hill's choice.....	4.50	35.00
*PIXIE (pat. 408), tiny dbl. wh....	4.50	40.00
*WHITE FAIRY, best for forcing....	4.50	40.00
*PRESUMIDA, orange bicolor.....	4.50	40.00
*BABY GOLD STAR (pat. 407).....	6.00	....
BIGGER FLOWERING MINIATURES		
*CAROLYN, sunset orange-red....	\$5.50	\$50.00
*CRI-CRI, imported orange.....	6.00	55.00
*GRANADINA, imported crimson	5.50	50.00
*JACKIE, golden yel. to cream....	4.50	40.00
*JULIETTE, vivid crimson.....	4.50	40.00
*PINK FAIRY, lovely soft pink....	4.50	40.00
*POINKA DOT, finest pure white	4.50	40.00
*SPRING SONG, rich rose-pink....	5.00	45.00
*THE MARR, terra-cotta red.....	5.00	45.00

300 acres of nursery stock. Visit us! Write Dept. AN-F-60 F.O.B. Tipp City, O.

## TREE ROSES

Select No. 1 grade standards. Varieties include current A. R. S. winners Duet and Pink Parfait, also Garden Party, Kordes Perfecta, Lavender Girl, Pink Peace as well as latest introduction Suspense and many others.

Our bush Rose crop is finest in a decade. We offer only quality stock at competitive prices. Write for complete list, then

Buy the best—Buy Klyn's.  
GERARD K. KLYN, INC.  
In the heart of famous Lake County  
Mentor, O.

## MINIATURE ROSES

Four outstanding varieties. Excellent pot plants and perfectly hardy outdoors. All in 2 1/2 and 2 1/2-in. pots, ready to shift.

	Per 10	Per 100
Pearl of Canada (red).....	\$3.50	\$30.00
Pompon de Paris (pink).....	3.50	30.00
White Fairy (white).....	4.00	35.00
Ready for immediate delivery, F.O.B. Galesburg. No charge for packing. Cash with order unless Dun & Bradstreet rated.		
BURGESEED & PLANT CO. Wholesale Dept. Galesburg, Mich.		

## THE SEASON'S BEST DEAL

See for yourself  
by  
sending for our 1960-61 trade list.  
WE STILL OFFER YOU A CHOICE OF  
BARE-ROOT AND PREPARED,  
PATENT AND STANDARD ROSES.  
NEW LONDON ROSES  
"The Rose Nursery"

P. O. Box 876 Overton, Tex.

## ROSES

Profit-wise nurseries, garden centers and mail-order firms depend on ARP ROSES. Glittering packs to display. Bare-root for container or landscape. All-America Selections. Catalog and wholesale price list.

ARP NURSERY CO. Tyler, Tex.

## ROSE STOCK

MULTIFLORA ROSE  
For living fence, conservation and budding understock. Hardy northern-grown plants, nematode-free. Our sandy loam produces the finest root system. Our high quality is well known.

Caliper and approximate height	Per 1000
2 to 3 mm., 8 to 15 ins.....	\$12.50
3 to 5 mm., 12 to 18 ins.....	17.50
3 to 8 mm., 15 to 24 ins.....	22.50
4 to 6 mm., budding understock.....	27.50

Ask for quantity prices. We cut the tops back to about 10 ins., for shipping, unless you state otherwise. Prices are F.O.B. Glen Head. Packing at cost. For less than 1000, add 30 per cent.

BROOKVILLE NURSERIES

Box 53, Northern Blvd., Glen Head, L.I., N.Y.

## SHRUBS AND TREES

## SHRUBS AND TREES

1000 Mt. Ash, 5 to 6 ft. and 6 to 8 ft.	
1000 White Ash, 5 to 6 ft. and 6 to 8 ft.	
1000 Flowering Crab, 3 to 4, 4 to 5, 5 to 6 ft.	

See May 1 issue for large trees,

also trees in pots and cans.  
Other trees in smaller quantities. Flowering shrubs in variety. See our ad under Evergreens, B&B.

NAGLE'S NURSERY  
R. 2, Box 267 Decatur, Mich.  
Phone GARfield 3-3739

## EVERGREEN SEEDLINGS

	100	1000
SCOTCH PINE (French or Spanish)		
2-yr. seedlings (2-0), 4 to 8 ins....	\$ 5	\$ 25
3-yr. seedlings (3-0), 8 to 16 ins....	8	40
WHITE PINE		
3-yr. seedlings (3-0), 5 to 10 ins....	8	40
4-yr. transplants, grafting size....	15	75
MUGHO PINE		
4-yr. seedlings (4-0), 4 to 8 ins....	10	50
4-yr. transplants (3-1), 3 to 5 ins....	15	75
JAPANESE BLACK PINE		
2-yr. seedlings (2-0), 4 to 8 ins....	9	45
3-yr. seedlings (3-0), 8 to 14 ins....	12	60
WHITE SPRUCE		
3-yr. seedlings (3-0), 8 to 14 ins....	8	40
5-yr. transplants, grafting size....	20	100
NORWAY SPRUCE		
3-yr. seedlings (3-0), 10 to 18 ins....	9	45
5-yr. transplants, grafting size....	25	125
COLORADO BLUE SPRUCE		
3-yr. seedlings (3-0), 6 to 12 ins....	9	45
5-yr. transplants (3-2), 8 to 14 ins....	35	175
CANADIAN HEMLOCK		
3-yr. seedlings (3-0), 8 to 12 ins....	16	80
CONCOLOR FIR		
3-yr. seedlings (3-0), 6 to 12 ins....	8	40
4-yr. seedlings (4-0), 8 to 14 ins....	11	55
4-yr. transplants (3-1), 4 to 8 ins....	16	80
5-yr. transplants (3-2), 8 to 12 ins....	25	125
FRASER FIR		
2-yr. seedlings (2-0), 2 to 4 ins....	8	40
3-yr. seedlings (3-0), 5 to 10 ins....	12	60
BALSAM FIR		
3-yr. seedlings (3-0), 4 to 8 ins....	8	40
4-yr. transplants (3-1), 4 to 8 ins....	15	75
BARBERIES, GREEN		
2-yr. seedlings (2-0), 6 to 12 ins....	8	40
2-yr. seedlings (2-0), 12 to 18 ins....	10	50
WHITE FLOWERING DOGWOOD		
Seedlings, 4 to 8 ins.....	7	35
Seedlings, 12 to 24 ins.....	12	60

Box 16QC Indiana, Pa.

## LANDSCAPE MATERIAL

JUNIPERUS SYLVESTRIS		
24 to 30 ins. ....	\$1.00	
30 to 36 ins. ....	1.50	
36 to 42 ins. ....	1.75	
3 1/2 to 4 ft. ....	2.00	
5 to 6 ft. ....	2.75	
7 to 8 ft. ....	4.00	

## CHINESE FIR

24 to 30 ins. ....	1.00
30 to 36 ins. ....	1.25
36 to 42 ins. ....	1.50
5 to 8 ft., per ft. ....	.75

## COCOS AUSTRALIS PALM

2 to 3 ft. ....	2.50
3 to 4 ft. ....	3.50
4 to 5 ft. ....	5.00

## SPIRAEA REEVESIANA, DOUBLE

3 to 4 ft. ....	1.00
-----------------	------

## NANDINAS

30 to 36 ins. (3 to 5 canes).....	1.00
36 to 42 ins. (3 to 5 canes).....	1.25

## FLOWERING QUINCE (RED)

24 to 30 ins. ....	1.00
Extra heavy, 6 to 8 canes.....	1.50

## WHITE FLOWERING QUINCE

24 to 30 ins. ....	1.25
3 to 4 ft., bare-root, heavy and good spread, B&B.....	.75
3 to 4 ft., B&B.....	1.10

## GARDENIA ELDIGENS

14 to 18-in. spread .....	.75
18 to 20 ins. ....	1.00
20 to 24 ins. ....	1.25

## GARDENIA STRICTA NANA

14 to 18-in. spread .....	.75
18 to 20 ins. ....	1.00
20 to 24 ins. ....	1.25

## WHITE FLOWERING DOGWOOD

8 to 12 ft., with buds, B&B, per ft....	1.00
---	------

## SHADOW NURSERIES

P. O. Box 886 Alexandria, La.

## ORNAMENTAL SHRUBS

Crab Apples, 40 varieties; 1-yr. trees and limited number 3-yr. transplants. Descriptive booklet available.

Thundercloud Plum, 1-yr. and 3 yrs., 6 to 8 ft.

Winter King Hawthorn, 1-yr. whips and 3-yr. transplants, 6 to 8 ft.

Taxus and large plants of Magnolia soulangiana.

SIMPSON ORCHARD CO., INC.  
1504 Wheatland Rd. Vincennes, Ind.  
Phone TU 2-2441.

## SHADEMASTER LOCUST

(PLANT PAT. NO. 1515)  
The finest of all the thornless Honey Locusts. Straight, rapid growth. Transplants easily.

A money-maker for grower or landscape man.  
8 to 16 ft., 1 to 1 1/2-in. .... \$ 7.00 \$5.50  
9 to 11 ft., 1 1/2 to 1 3/4-in. .... 9.50 7.50  
10 to 12 ft., 1 3/4 to 1 1/2-in. .... 11.00 9.00

PRINCETON NURSERIES  
Princeton, N. J.

Specimen Norway Maple, in quantity; 3 to 3 1/2-in. caliper and 3 1/2 to 4-in. caliper.  
Flowering trees and fruit trees, 1 1/2-in. to 3-in. caliper.  
Swan River Nursery, 615 East Main St., Patchogue, N. Y.

## SHRUBS AND TREES

	Each	100	1000
Euonymus alatus			
2 to 3 ft. ....	\$0.85	\$6.80	
3 to 3 1/2 ft. ....	1.15	1.00	
Euonymus alatus compactus			
2 1/2 to 30 ins. ....	1.15	1.00	
24 to 3 ft. ....	1.50	1.25	
Prunus cistena			
2 to 3 ft. ....	.70	.65	
3 to 3 1/2 ft. ....	.85	.80	

## LINING-OUT STOCK

Arborvitae, pyramidal			
15 to 18 ins. ....	.50	.40	
18 to 24 ins. ....	.60	.50	
Juniperus hetzi			
12 to 16 ins. ....	.40	.35	
18 to 24 ins. ....	.50	.45	
Juniperus pfitzeriana			
9 to 12 ins. ....	.35	.30	
18 to 24 ins. ....	.50	.45	
Taxus cuspidata			
9 to 12 ins. ....	.45	.40	
Taxus hicksi			
9 ins. ....	.50	.45	
Euonymus alatus compactus			
2-yr., T. 9 to 12 ins. ....	.25	.20	

PANCHER'S NURSERY, Sturtevant, Wis.

Salix babylonica crispa (Ram's Horn Willow), 10 to 12 ft., bare-root, \$8.00; B&B, \$16.00.

Azalea binodigra, well-budded (good buds), good root system, well-shaped plants, 24 to 30 ins., \$6.50 per 100.

100 rate, B&B 15 to 18 18 to 24 24 to 30

Taxus hicksi ..... \$3.25 \$4.50  
Taxus cuspidata ..... \$2.75 3.50 4.50  
Taxus thayerae ..... 2.75 3.50 4.50

Wick's Nurseries, Jamesport, L. I., N. Y.

Phones: Jamesport 2-3727; Mattituck 9-8186

## AZALEAS

	Per 100
3000 transplants .....	\$10.00
3000 lining-out stock .....	25.00
3000 6 to 8 ins., field-grown, budded .....	50.00
8 to 10 ins., field-grown, budded .....	65.00
Hlex convexa bullata, rooted cuttings.....	8.00
English Holly, field-grown, name brands, 1.00 to \$1.75 each.	

Pickup at nursery.  
THE GARDEN SPOT  
K. M. Miller, 222 Bala Ave., Oreland, Pa.  
(Near Philadelphia, Pa.)

## LITTLE LEAF EUROPEAN LINDEN

FINE QUALITY, GOOD HEADS.  
FIBROUS ROOTS

	10-49	50-250
6 to 8 ft., 1 to 1 1/4-in. ....	\$ 4.50	\$ 3.60
8 to 10 ft., 1 1/4 to 1 1/2-in. ....	7.00	5.50
9 to 11 ft., 1 1/2 to 1 3/4-in. ....	9.00	7.25
10 to 12 ft., 1 3/4 to 2-in. ....	12.00	10.00
11 to 13 ft., 2 to 2 1/4-in. ....	15.00	12.00

PRINCETON NURSERIES

Princeton, N. J.

## RHODODENDRONS

Hybrids in varieties. True Red Jap. Maples, also the new Bloodgood variety. Own-root grown. Liners and finished plants. Our complete list of many items of choice nursery stock is now ready. See our beautifully grown Taxus, Ilex, Azaleas, etc.

GERARD K. KLYN, INC.  
Mentor, O.  
Wholesale Nurserymen

## DWARF MAHONIA

Jack Mayhan is authority on mountain-grown Mahonia. This is a new variety selection, hardy as Oak. Very compact, dwarf. Ready now, 100,000 plants. All plants U. S. D. A. inspected. Cash in on many years' experience.

2-yr., T. \$20.00 per 100, \$150.00 per 1000.  
Cash with order. Full return 5-day privilege.

MAYHAN NURSERY, VERADALE, WASH.

## COLLECTED STOCK

CANADIAN HEMLOCK  
SUGAR MAPLES  
BIRCH COMPACTS, FERNS  
AND WILDFLOWERS

SEND for wholesale list.  
LAMPREY RIVER NURSERY  
Radford H. Palmer

R. F. D. 1 Durham, N. H.

If you don't find it listed here try a Want Ad in the next issue of the American Nurseryman.

## TAXUS

TAXUS CAPITATA  
Upright Japanese Yew,  
grown from Japanese imported seed.

2-yr. seedlings. Seed sown lightly.  
75,000 2-yr. seedlings, 1000 10,000  
4 to 6 ins. .... \$75.00 \$600.00  
65,000 2-yr. seedlings, 90.00 750.00  
6 to 8 ins. ....

## SHADE'S NURSERY

624 Colonial Club Dr. Harrisburg, Pa.  
Phone Harrisburg KI 5-5417  
5 miles east of Harrisburg on U. S. Route 22. Turn north at inn. 22. Nursery 1 mile north of U. S. Route 22.

24 TOP VARIETIES, ROOTED CUTTINGS, pots, beds and field. Send for new list.

JOHN VERMEULEN & SONS, INC.  
P. O. Box 332A Neshaug Station, N. J.

**TAXUS, SURPLUS LINERS**  
3-yr.-old, grown outdoors in flats.  
520 media, TT, 8 to 12 ins.  
350 densiformis, TT, 8 to 12 ins.  
400 Hicks, TT, 8 to 12 ins.  
200 each or \$250.00 for all.

**KRETZINGER'S GHISES & NURSERIES**  
Cooperstown, N. Y.  
Phone LH 7-2021

## VEGETABLE PLANTS

### OUTDOOR-GROWN PLANTS

Ready for shipment.

Packed 1000 to a new basket, tops up,  
roots down on damp sphagnum moss.

### CERTIFIED TOMATO VARIETIES

50 plants per bunch.

**VALIANT**

**MARGLOBE**

**RUTGERS**

**IMPROVED EARLIANA**

**HOMESTEAD**

**SUPER SMOX**

**GARDEN STATE**

2000 plants, express collect, wt., 36 lbs. \$8.40

1000 plants, postpaid ..... 6.95

500 plants, postpaid ..... 4.40

**HYBRID VIGOR TOMATOES**

**STOKES F2 No. 1, 4, 5, 6**

**CRIMSON QUEEN F2**

1000 plants, express collect ..... \$5.25

1000 plants, postpaid ..... 7.85

500 plants, postpaid ..... 5.60

**NEW CLIMBING TRELLIS TOMATO**

All red. Climbs 18 ft.

1000 plants, express collect ..... \$7.25

500 plants, postpaid ..... 13.50

100 plants, postpaid ..... 7.80

**2 NEW SPECIAL TOMATOES**

**RED PEAR ROMA**

**NEW GOLDEN SUNRAY**

1000 plants, express collect ..... \$6.25

500 plants, postpaid ..... 7.75

100 plants, postpaid ..... 4.75

**CABBAGE PLANTS, GREEN VARIETIES**

50 plants per bunch.

**HOLLANDER SHORT STEM**

**GREENBACK**

**WISC. GOLDEN ACRE YR.**

**IMPROVED GLOBE YR.**

**RESISTANT DETROIT**

**DWARF GREEN ACRE**

**ALL HEAD EARLY**

**EARLY JERSEY WAKEFIELD**

**CHARLESTON WAKEFIELD**

**EARLY FLAT DUTCH**

**GOLDEN ACRE**

**MARION MARKET YR.**

**WISC. ALL SEASON YR.**

**GLORIA ERIKSEN**

**COPENHAGEN MARKET**

**EARLY ROUND DUTCH**

**LATE FLAT DUTCH**

2000 plants, express collect, wt., 36 lbs. \$5.40

6000 plants, express collect ..... 15.00

1000 plants, postpaid ..... 4.80

500 plants, postpaid ..... 2.95

**RED HOLLANDER, WISC. YR.**

Also Red Rock, Acre and Dutch.

1000 plants, express collect ..... \$3.65

1000 plants, postpaid ..... 5.80

500 plants, postpaid ..... 3.65

**100 plants per bunch.**

**CRYSTAL WAX BERMUDA**

**YELLOW BERMUDA**

**WHITE SWEET SPANISH**

**YELLOW SWEET SPANISH**

**RED BURGUNDY**

60 bunches, express collect, wt., 35 lbs. \$5.40

All on variety in on sale farm.

60 bunches, f.o.b. our South Texas farm.

Shipped in new crates.

30 bunches, postpaid ..... \$7.95

20 bunches, postpaid ..... 5.95

**NEW ONIONS**

**HYBRID YELLOW SKIN, Spanish type.**

**HYBRID WHITE SKIN, Bermuda type.**

**NEW CALIF. RED, red skin, red inside.**

60 bunches, express collect ..... \$6.95

60 bunches, f.o.b. our South Texas farm.

10 bunches, postpaid ..... \$4.50

**CERTIFIED SWEET POTATO SLIPS**

100 slips per bunch.

**VARIETY, YORK RUBY, certified.**

2000 plants, express collect, wt., 36 lbs. \$9.60

1000 plants, postpaid ..... 6.95

500 plants, postpaid ..... 4.45

**NEW RUNCH PORTO SLIPS**

1000 plants, express collect ..... \$7.50

1000 plants, postpaid ..... 9.95

500 plants, postpaid ..... 6.25

**RED VELVET SLIPS**

Red skin Sweet Potatoes.

2000 plants, express collect ..... \$9.95

1000 plants, postpaid ..... 7.95

500 plants, postpaid ..... 5.65

**RED GOLD SLIPS**

Red skin, golden inside.

2000 plants, express collect ..... \$10.80

1000 plants, postpaid ..... 8.95

500 plants, postpaid ..... 5.95

**SWEET PEPPER PLANTS**

50 plants per bunch.

**CALIFORNIA WONDER**

**NEW YORK WONDER**

**KING OF THE NORTH**

**RUBY KING**

**PIMIENTO or PERFECTION**

(Continued in next column)

(Continued from previous column)

2000 plants, express collect, wt., 36 lbs. \$9.50

1000 plants, postpaid ..... 7.20

500 plants, postpaid ..... 4.60

**HUNGARIAN YELLOW WAX**

1000 plants, express collect ..... \$4.75

1000 plants, postpaid ..... 7.20

500 plants, postpaid ..... 4.60

All of our plants are government inspected

and certified to be disease and pest free.

We have extra fast freight and air ex-

press service from Texarkana.

Our terms: Cash, check or money order

with your order. We do not ship c.o.d.

W. G. FARRIER PLANT CO.

Box 7875 Omaha, Texas

## VINES

### VINES

Each

Boston Ivy, 12 to 18 ins. \$0.30

18 to 24 ins. .45

2 to 3 ft. .50

Please write for quotations on 100 and 1000

lots.

**DUGAN NURSERIES, INC.**

Center St. Perry, O.

## WANTED

**WANTED—JERUSALEM ARTICHOKE**

We are in the market for one ton Jeru-

salem Artichokes. Please quote.

W. H. PERRON & CO., LTD.

Chomedey (Montreal 40), Canada

## WANTED

Crooked oriental-looking Pine,

around 15 ft. tall.

**PETER CASCIO NURSERY, INC.**

2600 Albany Ave. West Hartford 17, Conn.

# SUPPLIES

## BURLAP

**HOLLAND BURLAP SQUARES**

2 grades Super and Plus, sizes 16 to 40 ins.

HALF MOON CO., Box 27-B, Plainfield, N. J.

## CANE STAKES

**REDUCE YOUR FREIGHT BILLS ON**

**JAPANESE BAMBOO STAKES**

We ship freshly imported stock from:

New York, Chicago, Detroit, New Orleans,

Portland, Ore., San Francisco and

Los Angeles.

**DYED GREEN PLANT STAKES**

Hand selected, dyed a rich forest green.

Uniform lead pencil thickness.

Price

per bale

per bale

Size

1 1/2 ft. .2000

2 ft. .2000

2 1/2 ft. .2000

3 ft. .2000

4 ft. .2000

5 ft. .2000

6 ft. .2000

**SPLIT BAMBOO STAKES**

for light staking

(F.O.B. New York only.)

Price

per bale

per bale

Size

12-in. .2000

15-in. .2000

18-in. .2000

24-in. .2000

**NES IMPORTED NATURAL BAMBOO**

Stakes selected especially as plant sup-

ports. The best quality available.

Price

per bale

per bale

Size

3 ft. (3/4-in.) .1000

4 ft. (3/4-in.) .500

5 ft. (3/4-in.) .250

6 ft. (3/4-in.) .200

7 ft. (3/4-in.) .150

8 ft. (3/4-in.) .100

**QUANTITY DISCOUNTS ON**

**TOTAL ORDER**

5 bales up, less 5 per cent.

10 bales up, less 10 per cent.

25 bales up, less 15 per cent.

Our generous quantity discounts apply to

total orders for all types of stakes.

Sold in bale lots only.

Special prices for direct import of 25 bales

or more to all Atlantic, Gulf and Pacific

Coast ports.

**McHUTCHISON & CO.**

695-N Grand Ave. Ridgefield, N. J.

## CANE STAKES

Green dyed and plain yellow Bamboo. All

sizes.

**GOLD MEDAL BRAND**

Your guarantee of satisfaction. Come to

American headquarters when you are in

the market.

**GEORGE H. MAUS, INC.**

**BAMBOO IMPORTERS**

Since 1905 Amsterdam, N. Y.

## DELIVERED PRICES

**EXTRA HEAVY.**

**NATURAL BAMBOO STAKES**

**DIRECT FROM THE PRODUCER**

Now in our 20th yr. supplying millions of

stakes to leading growers throughout the

United States and Canada.

Specifications represent approximate aver-

age diameter at bottom end.

**DELIVERED PRICES PER 100 STAKES**

(See below)

Length % to 1 1/4

4 ft. \$3.90 \$5.00 \$5.50 \$6.00

5 ft. 4.90 5.90 6.30 7.90

6 ft. 5.90 7.30 8.50 10.30

7 ft. 9.00 10.30 11.60

8 ft. 10.80 12.00 13.90

10 ft. 16.00 17.50

12 ft. 18.90 19.90

Above prices include delivery in the

continental United States east of the Rockies.

Cash orders will be shipped prepaid. Full

freight allowed to established accounts.

Freight allowance applies to orders for a

minimum total of \$20.00. Less quantity, less

15 per cent. F.O.B. here.

**A. C. PATTERSON, FRISCO, LA.**

Formerly of Centertown, Ky.

## CONTAINERS

Planters, see our display ad on page 77.

Louisville Cooperage Co., Louisville, Ky.

## FERTILIZERS

**PETERS SPECIAL**

A complete line of soluble and long-life

fertilizer formulas specially designed for the

commercial grower and manufactured by

the Robert B. Peters Co., Inc., the trade's

leading commercial soil test laboratory.

Drop a card for complete price list and your

free brochure, "The Peters System of Soil

## FLATS—Continued

## CYPRESS FLATS, K.D.

Finest stock obtainable. Guaranteed all clear heart. Size 20x15x3 ins. Inside measure, \$38.00 per 100.

1x1-in. Cypress stakes, pointed.  
50 pcs. to bundle, 4 ft., \$3.50 per bd.  
50 pcs. to bundle, 5 ft., \$4.50 per bd.  
50 pcs. to bundle, 6 ft., \$5.50 per bd.  
Ship same day.

YOHO & HOOKER, YOUNGSTOWN, O.

## HUMUS

Orange County's nicest Humus, 35 acres, 700,000 yds. Will sell cheap, any part or all. Humus by yd. If interested will send sample and prices.

Joseph G. Myszelow, Valls Gate, N. Y.

## LABELS

## DAHIA OR TREE LABELS

	Plain	Painted
3 1/4 x 5/8 ins., notched, not wired.	\$3.00	\$3.60
3 1/2 x 5/8 ins., wired (copper)	3.95	4.90

## POT LABELS

	Plain	Painted
4x5 ins. (cartons 1000 each)	3.95	4.60
5x5 ins. (cartons 1000 each)	4.30	5.10
6x5 ins. (cartons 1000 each)	4.70	5.80

	Plain	Painted
8x5 ins. (cartons 500 each)	\$3.50	\$4.30
10x5 ins. (cartons 500 each)	4.20	5.10

## GARDEN STAKES

8x 7/8 ins. (cartons 250 each)	3.00	3.60
10x 7/8 ins. (cartons 250 each)	3.30	3.90
11x1 1/8 ins. (cartons 100 each)	2.00	2.40

Our labels are perfectly white and smooth on both sides and are pronounced by growers the best and most economical.

Catalog on request.

"We ship same day."

YOHO & HOOKER, YOUNGSTOWN 2, O.

FINEST BLANK OR PRINTED wood labels.  
BENJ. CHASE CO., VI Sta., DERRY, N. H.

## PEAT MOSS

## GERMAN PEAT MOSS

NEAT, NEW, ATTRACTIVE, MOISTURE-PROOF BALE, POLYETHYLENE INNER WRAP. Heavy paper outer wrap. 6 cu. ft. compressed German peat. Best of the unfertilized baled peat mosses. Available Dallas or Scottsville. Delivers in truck lots (250-275 bales). In Austin, San Antonio, Waco, Dallas, Ft. Worth, Tyler, Shreveport and other places for less than Canadian brands. Call for truckload rates.

## VERHALEN NURSERY CO.

Phone WE 5-6641 at Marshall or Chapel 7-7131.

"BRODLEAF," Best Holland PEAT MOSS. Gardner No. 110 and No. 85, Growers No. 120 Growers Jumbo No. 170. Two Bales Equal 3. HALF MOON CO., Box 27A, Plainfield, N. J.

## PLANT TIES

## "QWIK-TIES," NEW, IMPROVED

PLASTIC PLANT TIES  
Guaranteed fade-proof.  
Small, strong, almost invisible. Economical and easy to use. Packed in bundles of 250 ties for convenient use.

Size	Per carton of 10,000	Av. weight per carton
4-in.	\$10.00	5 lbs.
8-in.	18.00	10 lbs.
12-in.	27.00	14 lbs.

McHUTCHISON & CO.  
695-N Grand Ave. Ridgefield, N. J.

## PLASTIC FILM

GER-PAK POLYETHYLENE FILM  
SUN-RESISTANT BLACK FOR MULCHING  
.0015 MIL.

3 ft. x 500 ft.	\$ 7.45 roll
3 ft. x 1000 ft.	14.00 roll
4 ft. x 1000 ft.	19.90 roll

NATURAL TRANSPARENT ONLY  
.002 MIL. ALL ROLLS 200 FT. LONG

4 ft. 2 ins. x 200 ft.	\$ 5.00 roll
8 ft. 4 ins. x 200 ft.	11.10 roll
12 ft. x 200 ft.	16.90 roll

NATURALLY  
.004 MIL. ALL ROLLS 100 FT. LONG

3 ft. x 100 ft.	\$ 4.00 roll
4 ft. x 100 ft.	5.30 roll
6 ft. x 100 ft.	7.00 roll
8 ft. x 100 ft.	10.65 roll
14 ft. x 100 ft.	18.60 roll

MINIMUM ORDER .004 mil. 4 rolls up to 8 ft. Write for low prices on quantity orders. Other sizes and mil. weights available up to 40 ft. in natural and black film.

## PHONE BALDWIN 3-8277

DAYTON NURSERY & GARDEN SALES  
P. O. Box 763 Dayton 1, O.

POLYFILM, Clear, Black, Rolls, Sheets.  
Save on small and large lots. Write  
HALF MOON CO., Box 27A, Plainfield, N. J.

## POLYETHYLENE FILM

SAVE MONEY AT THESE LOW PRICES  
.0015 mil., black 3 ft. x 1000 ft. .... \$13.39  
.002 mil., clear, 4 ft. 2 ins. x 200 ft. .... 4.81  
.004 mil., clear, 6 ft. x 100 ft. .... 6.93  
.004 mil., clear, 16 ft. x 100 ft. .... 18.48  
.006 mil., clear, 12 ft. x 100 ft. .... 20.79  
Many other widths available in clear or black.

Save up to one-third. WHY PAY MORE?  
Write for complete list of sizes and prices per roll.

SUPERIOR PLASTICS  
1421 W. Chicago Ave. Chicago 22, Ill.

## PLASTIC POTS

## NEW LOW PRICES

WILSON HIGH IMPACT  
POLYSTYRENE PLASTIC POTS  
Attractive mottled green colors in utility grade, sold in original cartons only. All prices F.O.B. Dayton, O.

	Per 1000	Wt.
2 -in., round, 1000 case	\$ 10.75	13 lbs.
2 1/4 -in., round, 1200 case	11.75	18 lbs.
2 1/2 -in., round, 1000 case	14.50	22 lbs.
3 -in., round, 1000 case	18.25	36 lbs.
4 -in., round, 500 case	32.00	30 lbs.
5 -in., round, 300 case	63.00	88 lbs.
6 -in., round, 120 case	110.00	34 lbs.
7 -in., round, 72 case	170.00	30 lbs.
4 -in., round tub, 500 case	32.00	33 lbs.
6 -in., round tub, 120 case	100.00	25 lbs.
2 1/4 -in., square, 1000 case	11.75	17 lbs.
2 1/2 -in., square, 1000 case	14.75	22 lbs.
3 -in., square, 1000 case	18.25	35 lbs.
4 -in., square, 500 case	33.00	33 lbs.
No. 10 Planta Can, 160 cases	120.00	45 lbs.

Also available in decorator colors. Write for quote on colors. Send fifty cents (50c) for complete set of samples postpaid.

DAYTON NURSERY & GARDEN SALES  
P. O. Box 763 Dayton 1, O.  
Phone Baldwin 3-8277

NEW HERCULITE SALES MAKER POTS  
THE ONLY POT MADE FROM GREEN  
POLYETHYLENE COATED FIBER. FEAT-  
URES AERATION HOLES FOR HEALTH-  
IER PLANTS.

No.	W.	Bottom	Hgt.	ctn.	F.O.B.
44	4-in.	3-in.	4-in.	200	\$ 45.00
55	5-in.	4-in.	5-in.	200	50.00
66	6-in.	5-in.	6-in.	200	57.50
76	7-in.	6-in.	6-in.	100	62.50
79	7-in.	5 1/2 -in.	9-in.	100	70.00
86	8-in.	7-in.	6-in.	100	70.00
89	8-in.	6 1/2 -in.	9-in.	100	80.00
99	9-in.	7-in.	9-in.	100	100.00
1010	10-in.	8-in.	10-in.	50	136.00
1212	12-in.	10 1/2 -in.	12-in.	50	246.00

Send \$1.00 for complete set of sample pots, postpaid.

PHONE BALDWIN 3-8277  
DAYTON NURSERY & GARDEN SALES  
P. O. Box 763 Dayton 1, O.

Watch Your Results From  
American Nurseryman Classified Ads.

## PRINTING

Letterheads, 8 1/2 x 11 ins.; envelopes, 6 1/2 size; 250 of each, \$6.50, postpaid in U.S.A.  
H. Grebe, 306 Union St., Royersford, Pa.

## SHINGLE TOW

## CEDAR TOW

CLEAN, FRESH CUT MATERIAL, FOR PACKING NURSERY STOCK. PROMPT SHIPMENTS. YEAR-ROUND SUPPLY. 75c per bale, 120x34 ins. 125 lb. guaranteed shipping weight.

HUNTINGTON SHINGLE CO., INC.  
P. O. Box 109 Springfield, Ore.

Surplus Stock  
can be easily and quickly turned into Cash  
by listing it in the  
American Nurseryman Classified Ads.

## SPHAGNUM MOSS

## WISCONSIN'S FINEST SPHAGNUM MOSS

We invite you to try our new waterproof kraft-wrapped bales. Solid packed, long, clean, heavy-fibered sphagnum moss, unexcelled for use in nurseries or floral shops. Our new wrapped bales, 12x14x43, give you quality, quantity and sales appeal. Eliminate the old mess!

Write for prices on carloads or less.  
Finest quality milled sphagnum moss, the ideal material for seed germination. 2 1/2-bu. bags.

1 to 5, \$2.00; 6 to 10, \$1.90; 11 or more, \$1.75 per bag, F.O.B. Warrens, Wis.

Satisfaction guaranteed. Prompt shipping via rail express or truck. Contact us for special prices on quantity shipment via our truck or rail.

Prices subject to change.  
WARRENS MOSS CO.  
Box 97 Phone Tomah 625 Warrens, Wis.

Fresh, clean sphagnum moss, write, or phone City Point 133 for our low prices on wire-bound bales in truckloads or carlots.  
Tony Jaromin, City Point, Wis.

## STAKES

## CYPRESS PLANT STAKES

50 pieces to bundle.

1x1-in.—3 ft., pointed	\$3.00 per bundle
1x1-in.—4 ft., pointed	3.50 per bundle
1x1-in.—5 ft., pointed	4.50 per bundle
1x1-in.—6 ft., pointed	5.50 per bundle
1x1-in.—7 ft., pointed	7.00 per bundle

These stakes are made of cypress and redwood; are good, strong stakes and will give long service. "A little better than seems necessary."

WE SHIP SAME DAY!

YOHO & HOOKER  
Youngstown, O.

STAKES, GALVANIZED HARD STEEL  
GALVANIZED tree-guying WIRE.  
HOSE for guy-wire PADDING.  
Prices and samples on request.  
SCHUPF SUPPLY CO., WILMETTE, ILL.

Plant Stakes, see large ad under Cane Stakes. McHutchison & Co., Ridgefield, N. J.

## TRADE BOOKS

## TRADE BOOKS.

Descriptive book circulars available on request.

66 PRACTICAL GARDEN PLANS,  
by John Elliott, \$1.00.

SEEDS AND POTTING COMPOSTS,  
by Lawrence and Newell, \$2.00.

THE GRAFTER'S HANDBOOK,  
by R. J. Garner, \$5.75.

HAVE YOU TRIED PERENNIALS,  
by C. H. Potter, \$3.00.

TREES FOR AMERICAN GARDENS,  
by Dr. Donald Wyman, \$8.00.

THE BOOK OF SHRUBS,  
by A. C. Hottes, \$4.95.

PLANT PROPAGATION PRACTICES,  
by James S. Wells, \$7.50.

GREENHOUSE HEATING AND  
CONSTRUCTION  
by H. E. Gray, \$1.50.

STANDARD CYCLOPEDIA  
OF HORTICULTURE.  
3-Volume Set,  
by L. H. Bailey, \$52.00.

MANUAL OF CULTIVATED TREES AND  
SHRUBS,  
by Alfred Rehder, \$13.95.

These books may be obtained, postpaid, at the publishers' prices indicated, from

AMERICAN NURSERYMAN  
343 S. Dearborn St. Chicago 4, Ill.

FORM HORTICULTURE  
ADVISORY COMMITTEE

[Concluded from page 53]

The board is considering preparing the next brochure in letter size, so it might be included in billings by individual firms. Along this line, a large poster is being designed to show the opportunities in ornamental horticulture. These would be displayed prominently in nurseries, etc. Preliminary posters have been reviewed by the committee. Each organization represented would help defray expenses of posters by contributing \$10.

Programs of recruitment are being explored by the advisory committee in the elementary and secondary schools, through such avenues as lectures, field trips, school gardens, individual class plantings of seedlings, etc., with Arbor day being a possible rallying point. It is hoped that a summer work program through the gardeners' group might be established in the not too distant future.

R. B. K.





## Large or Small • Better Lawns • Lower Cost

LAWNMAKER Model 67, 2 roller combination fertilizer spreader and seeder.

1. Extra large capacity hoppers.
2. Stainless steel to prevent corrosion and eliminate constant cleaning.
3. Trailer available to unload and load with tractor 3 point hitch.



### HOME OF LAWNMAKER

A self-propelled highly maneuverable lawn machine that fertilizes, prepares a fine seed-bed, sows the seed, rakes in the seed and leaves the perfect finish for a beautiful lawn.

**SEEDS ALL PLANTED AT UNIFORM DEPTH  
NO FOOTPRINTS OR WHEEL MARKS**

Write Today for Detailed  
Information and Price List.

***Lawnmaker***  
**BREITRAGER MANUFACTURING**  
5410 East St., Saginaw, Michigan  
Telephone PL 2-3115

town traffic and rapid transit. The pedestrian mall has been the subject of experimentation in various cities. The most recent to try it was Toledo, O., which gave it up after a 6-month test.

While the mall is again the subject of discussion, it is still obviously a long time away. Meanwhile, the Grant avenue merchants felt that the need for planting was too great to wait on such a nebulous proposal. However, it was New Yorker James Ludwig, recently arrived at San Francisco as manager of the Saks store, who actually spearheaded the movement to "Plant Grant."

### Ficus in Tubs

As a result, it is not surprising that the Grant avenue new planting bears a resemblance to the planting near Saks Fifth Avenue, New York. Fifty Ficus retusa have been planted in whitish, tumbled marble tubs, which are conical in shape, being 42 inches in diameter at the top and 32 inches at the bottom, and 27 inches high. The merchants of the area contributed a good part of the cash, with the city supplying the rest.

At the same time, the Downtown Market Street Association contributed \$6,500 and the city, \$14,290 for a triangular park at the intersection of Drumm, Market and California streets. This drab traffic island will be brightened with trees, flower beds, benches and piped-in music, according to the plans of Osmondson & Staley, landscape architects. The transformation of this downtown area should be complete before summer.

R. B. K.

## WANTED and FOR SALE ADS

Help and Situation Wanted and For Sale Advertisements

Display: **\$4.50** per inch, each insertion.

Liners: **40c** line; minimum order **\$4.00**.

### HELP WANTED

#### TOP MANAGEMENT POSITION

Well-established wholesale firm has excellent top management opportunity for an aggressive man with sales and general management experience. Duties will include directing wholesale sales, pricing, inventory control, purchasing of stock and production planning. Starting salary in five-figure bracket plus every opportunity for advancement. Send resume giving complete personal, academic, business and earning history, in confidence, to Box 844, care of American Nurseryman.

### HELP WANTED

#### NURSERY SUPERINTENDENT

Make a good living where the living is good—in Shenandoah, Iowa.

This large, mail-order nursery (backed by nearly 70 years of integrity) needs a man qualified to supervise the growing of general line of nursery stock on about 400 acres. He will supervise and coordinate present force of experienced field foremen.

Extra benefits include company-financed major medical insurance, life insurance, retirement program and paid vacations. Interested? Your reply will be treated confidentially. Write or telephone.

John Knapp  
HENRY FIELD SEED  
& NURSERY CO.

Phone: No. 1 Shenandoah, Iowa

FOR SALE—Gorman-Rupp pump with 4-cylinder Wisconsin motor. Pumps 350 gals. per minute. Also 500 ft. of 5-in. aluminum pipe (Stout patented make of pipe). Both for \$700.00, at my nursery, W. F. Eichelser, LEE NURSERY, Lee, Mass.

### HELP WANTED

#### SUPERVISING LANDSCAPE FOREMAN

For Delaware nursery specializing in high-quality landscape work, mostly carriage trade. An unusual opportunity in a young growing business in a high income community. Applicant must take responsibility for execution of all landscape work (including hiring and firing connected with running 4 crews and maintenance of 4 trucks and other related equipment); also prepare bids for some project work. Designing by others. Applicant must be interested in permanent association and must have horticultural background in commercial landscape field including: Good knowledge of ornamental plants, ability to move large trees and experience with execution of bid projects. Attractive salary, paid vacation, A.A.N. insurance and home in rural setting. Apply Box 2708, Wilmington 5, Del.

FOR SALE—Businesses may be offered for sale by use of a want ad liner such as this. Cost: 40c per line (minimum order \$4.00). Your ad will be seen by more than 2800 American Nurseryman readers.

**FOR SALE**

8-acre retail nursery—thriving landscape business—very prosperous garden supply shop. Located in midwest. Modern 8-room house with 3 baths, full basement. Recently built shade house. Storage buildings in good condition. 2-story 5-room office with full basement. Ample well water for irrigation. Field inventory is all immediately salable. If you want a going concern, in a going community, a nursery with excellent reputation that can show a good set of books, you have read the right advertisement. Do not inquire unless sincerely interested. Write Box 838, care of American Nurseryman.

**HELP WANTED  
FOREMAN**

To supervise digging, planting and growing operations in medium-size wholesale evergreen nursery in Connecticut. State qualifications, age and salary expected. Write Box 808, care of American Nurseryman.

**HELP WANTED**

Landscape supervisor, experienced working foreman, ability to handle men, background in design and estimating; thorough knowledge of plant material. Cleveland, O. suburb.

Box 8888, Strongsville 36, Ohio

**HELP WANTED**

Competent, experienced landscape designer-salesman desiring to live and work in Florida. Earnings, salary and commission, limited only by your own ability and enthusiasm. Write immediately, giving qualifications, experience, etc., to Box 839, care of American Nurseryman.

**HELP WANTED****LANDSCAPE and NURSERY SALESMAN**

Large, prominent Philadelphia concern has opening, offering outstanding opportunities for man with proven ability. Highly profitable, permanent position. Earnings of \$10,000 and up, plus profit-sharing plan. State full qualifications. Mail to Box 789, care of American Nurseryman.

**WANTED**

Established sales agency wants packaged rose line and packaged shrubs. Covering all of New York State. References. Contact:

JOHN S. SEELY HORTICULTURAL  
SUPPLIES SALES  
136 Hoover Road Rochester 17, N. Y.

**HELP WANTED**

Foreman to supervise digging, planting and growing in a well-equipped medium-size wholesale evergreen and shade tree nursery in eastern Long Island. Must have experience and knowledge of general line of plant materials and interest in permanent association. Give detailed information in first letter. Reply to Box 835, care of American Nurseryman.

**SITUATION WANTED**

Thinking of a change? Tell potential employers about your abilities by using an ad in this department. The cost to reach the widest readership in the industry is only \$4.50 per inch.

**SITUATION WANTED**

Experienced nursery and landscape salesman, age 25, seeks employment in Chicago or northern Indiana. Is presently employed with south side garden center. Will send resume upon request. Write Box 845, care of American Nurseryman.

**FOR SALE**

A well-established garden center and nursery with very good reputation in wholesale, retail and landscaping trade. Located on U. S. Highway 35, just 18 miles west of Dayton, Ohio. Excellent land—18.5 acres—heavily stocked with salable evergreens, trees, shrubs and many varieties of liners and grafts. Two modern residences, salesroom and office space, small greenhouse, storage barn, merchandise, tools and equipment to operate. Death of owner and other business interests reason for selling. Price and terms on inquiry.

FLORAL GARDENS NURSERY  
R. R. 1 Eaton, Ohio

**FOR SALE**

2 1/4 acres sandy loam, fully irrigated. Owner's home, 6 other buildings. No overgrown shrubs, all salable, best varieties for local landscaping. Broad-leaves; conifers; ornamental trees; dwarf fruit trees, bearing age. Thousands of liners. 15 miles from Portland, Ore. Write or call:

FREEMAN KELLER, Real Estate  
1704 Main St. Vancouver, Wash.  
Phone: ON 4-8486

**FOR SALE**

JOHN J. STARK NURSERIES  
OF SAN FERNANDO VALLEY, CALIF.  
Including 2 1/4 acres choice land, 19,000 sq. ft. glass, 3600 sq. ft. lath, grounds for 100,000 gallon cans, large garage, 1 1/2-ton van, \$17,000 stock, tools, equipment and two rental houses will be shown by appointment with:

RAY CANNON, REALTOR  
Specializing in Nurseries and Allied Lines  
2521 W. Manchester Inglewood, Calif.  
Phone: PL 3-3193

**FOR SALE**

Used complete greenhouses. Used greenhouse materials, glass, pipe, valves, etc. Greenhouses bought for wrecking.

SEABOARD GENERAL SUPPLY CO.  
Elizabeth 4-9041 Waverly 6-0404  
1080 Magnolia Ave. Elizabeth, N. J.

**FOR SALE**

10-acre nursery, plus store completely stocked and 8-room home. Very good for aggressive man.

Write Box 842, care of American Nurseryman.

**FOR SALE**

U. S. Espalier Nursery Co., wholesale growers of espalier and dwarf fruit and ornamental trees.

A. E. OTIS REAL ESTATE  
9513 S.W. Barbur Blvd. Portland, Ore.

**SITUATION WANTED**—Landscape architect desires position with retail nursery and/or garden store operation; have 2 1/2 years' experience in this type of work. Also have 3 1/2 years' experience in present position as college instructor in landscape design in Department of Horticulture, duties including landscape planning for campus and supervision of maintenance of grounds. Deeply interested in development of smaller firms. Intermountain west is area preferred, but will seriously consider all locations. Adequate references. Family man. Available July. Write Box 846, care of American Nurseryman.

**FOR SALE**—Businesses may be offered for sale by use of a want ad liner such as this. Cost: 40¢ per line (minimum order \$4.00). Your ad will be seen by more than 9800 American Nurseryman readers.

**FOR SALE****HIGHLY DESIRABLE PROPERTY  
IN FALLBROOK, CALIF.**

For growing or as a future investment, 18 acres in a frost-free and smog-free area near San Diego. Excellent soil, with a 300,000-gal. concrete reservoir set at high level. Fully modern, 3-bedroom, 2-bath house on property; close to schools, shopping centers, etc. Because of health reasons, will sell at reduced price for quick sale. Contact:

M. G. MAGARIAN  
1245 Gerald Way Fallbrook, Calif.

**FOR SALE**

Small nursery within reach of 4 million people—Detroit, Pontiac, Flint, Port Huron. 4-bedroom brick and stone home with full basement, 2-car garage, 2 large storage buildings, 6 acres of peat humus, land on live stream, 3000 evergreens, 1 mile off state highway, on good road. Good set-up for landscape work. Not all of items necessary with purchase—buy what can be used. Owner retiring.

J'S EVERGREEN FARM  
Bowers at Summers Rd.  
Imlay City, Mich.

**FOR SALE**

Well-stocked nursery on 9 acres of sandy loam, 3000-ft. frontage on U. S. Rt. 42 within 20 miles of Columbus, Ohio. Includes farm pond, lath house, underground storage, 2-car garage, equipment and 3-bedroom modern home. For quick sale—\$26,000.

MASCHMANN'S NURSERY  
U. S. Rt. 42 Delaware, Ohio

**FOR SALE**

Well-established, going nursery and garden center on U. S. No. 52 just west of Rushville. 7 acres with modern home, 18x50 propagating greenhouse, 20x100 storage, 60x100 angle steel-frame lath house, 24x32 sales center. Complete with tools, equipment and inventory, including all growing stock in fields and pots. An unusually fine collection of taxus varieties. Owner wishes to retire.

CHASE P. MAUZY REALTY  
Farmers' Insurance Bldg. Rushville, Ind.  
Phone: 2875

**FOR SALE**

Well-located nursery, 2 1/2 acres of evergreens, trees and shrubs, some large. Excellent 4-bedroom home, 2 baths, city water. Natural gas, 220V current. Large concrete shop and garage. Retiring because of health.

O. F. FLOYD  
1113 London Lane  
Lyndon, Ky. or Louisville, Ky.

**FOR SALE**

Located in Greenwich, Conn. Range of greenhouses; 2 houses, 120x25 ft., with connecting palm house. Contact:

TROY'S GARDEN NURSERIES  
Banksville Rd. Bedford Village, N. Y.

**FOR SALE**

7-acre established nursery, 12-room farm house, greenhouse, frames, irrigation, nursery stock, barn. Fast-growing community. Northern Westchester, N. Y. Write Box 25, Amawalk, Westchester Co., N. Y.



## POKER? Play to win!



### How would you play this hand?

One chance in five to fill this flush, so be sure the pot is at least five times as big as the bet. If you haven't passed openers, raise. In general, a timid "calling" game is a losing game. Play percentages, but push them hard.

### Here's a sure winner from FORD:

Latest addition to the world famous Fordson diesel line of tractors—the new Fordson Super Major. New disc brakes, differential lock, comfort seat and many other new features give a new peak in Fordson performance.

Still the same reliable engine, however—the dependable 42.6 drawbar H.P. engine which has earned a reputation for fuel economy unmatched by any other engine in its class.

Fordson Dexta Diesel tractor is better, too. Improved hydraulic system, transmission and styling make it a better buy than ever before. Get details from your Ford Tractor Dealer, or write:

**Tractor and Implement Division  
Ford Motor Company  
Birmingham, Michigan**



## Diversification Pays Off for California Firm

By Richard B. Kilner

To offset real or potential declines in the sale of established items, a consistent program of product diversification has been successfully used by the Orchard Nursery, Lafayette, Calif. It has proved valuable to meet not only the competition of other outlets but the problem created by changing interests of clients and their means of satisfying their wishes.

For some time Jack Schneider, owner, has maintained a florists' business and a mower sales and service department in connection with his nursery and landscape service. In recent months he added a paint and wallpaper department. This spring the addition was a barbecue department, given effective promotion in the firm's annual "Spring Fling," held Friday through Sunday, May 5 to 7. This event, staged with variations, attracts thousands of persons to the nursery. The firm used blanket mailings to its trading area this year after many years of employing a mailing list.

Orchard Nursery is in a growing area, with its benefits and pitfalls, lacking density of population at this time. It is therefore necessary continually to strive to attract new customers. Services must be provided which nearby cut-rate chains are unable to match.

### Compensating Stock

While the nursery has been stanch in keeping up its prices, it finds itself forced lower and lower on certain items heavily promoted by non-nursery outlets. Star jasmine and Meyer lemon, once prime items in the area, are not attractive stock today at \$1.19. Since there is a tendency for customers to seek out bargain items, as they do grocery specials, Mr. Schneider must balance his operation to compensate for small-margin specials and, if need be, loss leaders. Cut-rate prices, a slowdown in local building and poor weather all brought pressure this year, so that Mr. Schneider has been glad of his experience in diversifying stock.

In its new barbecue department, Orchard Nursery is exclusive agent for Goodwin of California, supplier of a top grade of barbecue equipment. The "Spring Fling" promo-

AMERICAN NURSEYMAN

**PETERS**

**NURSERY SPECIAL**

**30-10-10**

**UNEXCELLED FOR CONTAINER FEEDING**

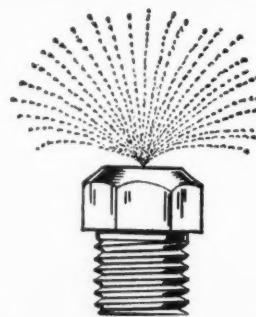
The result of over 70,000 soil tests made by the Robert B. Peters Co. over the past 14 years.

**18¢**

DELIVERED PRICE  
IN 300 LB. LOTS  
LESS THAN 300 LBS.  
F.O.B. ALLENTOWN  
ADD 3¢ PER POUND  
WEST OF THE MISSISSIPPI

(See Our Classified Ad This Issue)

**ROBERT B. PETERS CO., INC.**  
2833 PENNSYLVANIA ST. ALLENTOWN, PA.



Pictured above is the Monarch H-261 fog nozzle. It has 3/4-in. male pipe thread and throws 3.3 gallons per hour at 30 lbs. Better breakup of water particles at low pressure.

5 nozzles .....	\$ 5.50
12 nozzles .....	12.00
100 nozzles .....	85.00
Tork 24-hour on/off clock ...	11.95
Tork cycling clock, 1-minute or 30-second adjustment ..	29.95
Solenoid valve, 3/4-in., full ported .....	23.00

Also strainers, larger valves and other types of nozzles. Booklet upon request, showing many uses for fog in nursery operations.

Postage prepaid—check with order, please.

Satisfaction Guaranteed

**MIST-O-GATION, INC.**  
Dept. A                      Middletown, Del.

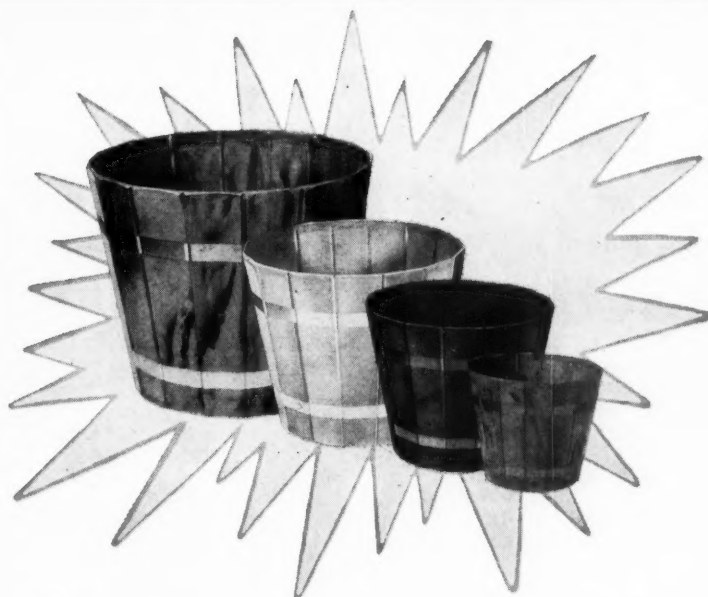
tional event that served as a grand opening for the department was publicized by 20,000 direct-mail pieces and by newspaper ads inviting the public to attend the event and bring the family. Despite rain, several thousand persons came. All day Saturday and Sunday chefs served turkey from one grill and hot dogs from another. Free Cokes and oranges encouraged the younger members of the family.

### Plants Sell, Too

When it was all over, Jack Schneider, who is chairman of the garden center committee of the American Association of Nurserymen, stated that this event showed once again that it is the green goods that bring people into the nursery. They do not come for paint or barbecue equipment, but to buy plants—especially the specials. But once they are there, the customers are exposed to the other related items and services. There were inducements in the mailer and in the displays to get people to try the paint department, mower department, landscaping services, etc. For example, one-half pint of enamel was given without charge with any paint purchase. And a special sharpening and overhauling price for power mowers was set during the "Spring Fling."

The selection and use of advertising media were another interesting phase of this promotion. Orchard Nursery is a regular newspaper advertiser and announced its spring event in that medium, but moderately. This was done as announcements and reminder and to keep a frequency rate in the newspaper. However, it was the direct-mail piece which carried the load for the "Spring Fling." There were so many things that Mr. Schneider wished to point out that the two sides of a 9x12-inch mailing piece were utilized. The piece was substantial enough so that customers could mark it and take it with them—to look for the specials.

After years of maintaining the firm's own mailing list, trying to keep up to date and build a select list of customers, Mr. Schneider has discarded that system in favor of blanket mailings. A mailing piece is addressed to every individual in a selected area by an addressing service. The nursery is located in a region having a high turnover of residents, and the time spent in keeping up the mailing list and making the mailings was greater than with the present operation. Furthermore, no duplications slip in under the present system.



## Plastic "Colonial" Tubs ... by UNION

Plastic "Colonial" Tubs by Union add a touch of atmosphere to any decor. Patterned from the familiar and increasingly popular wooden tubs, these sturdy all-plastic tubs are made in four sizes and several attractive colors to suit any taste or preference.

Now Union's "Colonial" Tubs are available with drainage holes in the bottom for those who prefer to plant directly in them. There's a correct size Union round saucer to fit each of these tubs, too. They're ideal for use on mantels, in family rooms, on patios, on the lawn or in the garden.

Write today for full-color circular showing how these tubs enhance the decorations of the modern home!

### UNION PRODUCTS, INC.

LEOMINSTER, MASS.

## INCREASE SALES 100%

Don't Keep Your Customers Waiting for information about your stock. These self-selling plastic labels give all the information your customer wants — creating additional sales while you are busy.

We have the largest selection of horticultural subjects on plastic labels anywhere. Available in two types: (1) Over 800 varieties illustrated in full color; (2) over 600 fully descriptive labels with large, readable type.

**SHOW IT and SELL IT — HIDE IT and KEEP IT**

**ASK FOR FREE SAMPLES AND CATALOG**

**GROWERS & MANUFACTURERS EXCHANGE**

8434 S. Rosemead Blvd., Rivera, Calif.  
Phone OXford 9-0711

No. 3 Container-Marker (picture and holder). Holder is 27 inches high. Prongs at bottom prevent turning in the wind. Use for salesyard display.





CUTS WEEDS • MOWS LAWNS • MULCHES LEAVES

## The rugged ROOF VP MOWER

Nearest thing to  
power-steering in a  
heavy-duty mower!

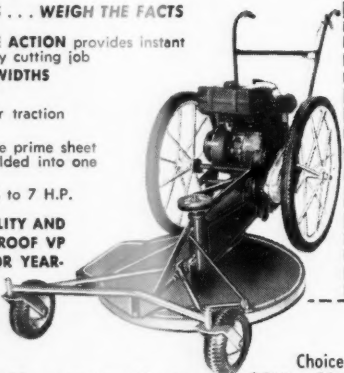


The new Roof Swivel-Glide mower is engineered to handle all heavy duty mowing requirements from heavy weed and brush cutting to spacious lawn areas.

### COMPARE THE FEATURES . . . WEIGH THE FACTS

- **VARIABLE PITCH BLADE ACTION** provides instant blade adjustment for any cutting job
- **26" OR 30" CUTTING WIDTHS**
- **OIL BATH GEAR DRIVE**
- **26" WHEELS** for greater traction and maneuverability
- **CHASSIS** is heavy gauge prime sheet steel reinforced and welded into one rugged unit
- **CHOICE OF ENGINES** 4 to 7 H.P.

VERSATILITY, MANEUVERABILITY AND RUGGED, LONG LIFE MAKE ROOF VP MOWERS YOUR BEST BET FOR YEAR-ROUND MAINTENANCE



For **FREE FACT FOLDER**

write:

**ROOF MANUFACTURING CO., Pontiac 38, Ill.**

Choice  
of 26" or 30"  
Cutting Widths

**LOW COST  
GREENHOUSES**

ALUMINUM • PLASTIC • WOOD •

**CLEAR SPAN**

**ANY STYLE  
ANY TYPE**

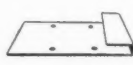
**Rough Brothers**

### ORDER ASBESTOS BENCHES NOW!



Rough Brothers is your guarantee of quality benches.

Durable—Long Life—Eliminates Fungus Growth—Will Not Crack When Sterilizing



**BENCH HARDWARE** — Angles — Corners — Sides. Heavy-gauge galvanized metal shaped to slip over sides and corners firmly. Sides  $\frac{3}{4}$  and  $\frac{1}{2}$  in. thick — 4 and 6 ins. high. Angles  $\frac{3}{4}$  in. thick — size 4x5 ins. Write for information on Bench Hardware!

4229 Spring Grove Ave., Cincinnati 23, Ohio

**ADAIR'S MONEY-MAKERS**

**Tree Diggers — Root Pruners  
Special Cutter Blades**

It is impossible to adapt diggers to some loaders. Be wise, make sure, write.

**CHARLES ADAIR CO.**  
1225 Cottage Grove Ave.  
CHICAGO HEIGHTS, ILL.

**MORE PROFITS with  
Cellusuede FLOCK**

- Dependable Quality
- Easy to Apply
- White or Colors

Write for Free Instruction Bulletin

**CELLUSUEDE PRODUCTS, INC.**  
516 N. MADISON ST., ROCKFORD, ILL.

**FLORISTS' TEXTILES  
PLASTICS**

**X. S. SMITH, INC.**  
Box 272 Red Bank, N. J.

**Ideal Garden Gadgets . . .**

Metal Label Markers, Plant Supports, Stakes, Lawn Guards.

Send for folder today.

**LANSING SPECIALTIES MFG. CO.**  
Dept. A 661, 918 Clark Rd., Lansing 17, Mich.

**OHIO  
GARDEN CENTERS**

Ask about interesting contest we have for you and your customers.

**HOFF CHEMICAL CORP.**  
Flat Rock 5, Mich.

## BOOK REVIEWS

### BEDDING PLANTS

Those who grow and sell bedding plants, whatever their type of commercial enterprise, can check their methods during the past season and prepare for a better one, in the light of a valuable book, "Growing and Selling Bedding Plants," just off the press. This little volume of 96 pages, paperbound, was written by Charles H. Potter, author of the smaller and earlier book, "A Guide to Growing Bedding Plants," being brought up to date and including much more information, especially as to marketing, being 50 per cent larger in number of pages than the earlier work.

Between the opening and closing chapters dwelling on marketing in its various aspects, as well as equipment, the author first details the essentials of growing as to soil, propagating from seedlings or cuttings, general care and prevention of pests and diseases. Then the various flowering plants, annuals and perennials, and vegetable plants are covered in detail.

A 6-page bedding plant chart at the back of the book gives details on a long list of items to grow, at a glance. The price of the book is \$1.50 postpaid.

### PALMS IN THE LANDSCAPE

Because of the use of palms in planting many of the new homes in the southern tier of states, particularly Florida and California, the 140-page book, "Palms," by Desmond Muirhead, on their use in the landscape, is timely. The author is a practicing landscape architect and city planner, with offices at Phoenix, Ariz.; Honolulu, Hawaii, and Vancouver, B. C.

After introductory remarks about the genus and its culture generally, the hardy fan species are individually discussed, each with sketches, photographic illustrations and two or more pages of text. Then the hardy feather palms are similarly presented. A few less hardy palms are so considered, and then tropical palms and palm-like plants are treated more briefly, and an extra list of palms is discussed in only paragraph style. A final chapter, on palms in the landscape, presents sketches of a number of plans and plantings, as well as photographs.

The book is published by Dale



## BOOKS — FOLDERS — HANGERS for Nurserymen



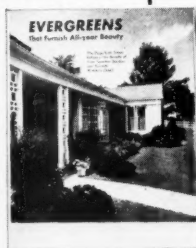
Write for  
Quantity  
Discounts  
and  
Price List

### 4 Popular Folders

Each folder 10 3/4 x 35 in., open, printed in full color.

1. SHRUBS,
2. EVERGREENS,
3. SHADE TREES,
4. ROSES

Each **\$25¢**

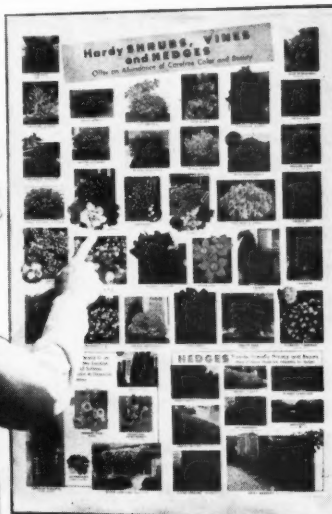


### 4 Wall Hangers

Each 25 x 38 in., printed in full color. Metal binding top and bottom, very substantial.

1. SHRUBS,
2. EVERGREENS,
3. SHADE TREES,
4. ROSES

**\$3.00**  
Each



Cash with Order, Please.

### CORRECT PLANTING Methods

32-page pocket size book containing very complete information for all kinds of plants, well illustrated, helpful in preventing claims for dead stock.

Sample  
copy  
10c

## A. B. MORSE CO. Horticultural Printers St. Joseph, Mich.

Stuart King, Globe, Ariz., and is available in heavy paper cover at \$1.95 and in hard cover at \$3.20. While it can be interestingly read by the homeowner or layman, the book should be extremely helpful to nurserymen, landscape firms and architects in the sunny south.

### ROSES FOR EXHIBITING

Since his interest in roses, especially after business retirement, has led Harold H. Allen to grow a garden of 450 bushes, to win a drawer full of ribbons and a cabinet full of silver cups, to write and lecture on his hobby and to serve as president of several Ohio rose organizations, as rose judge and as district director of the American Rose Society, he is well qualified to write "Roses—Growing for Exhibiting," just published by D. Van Nostrand Co., at \$4.95.

The first part of this 175-page book is concerned with the selection of varieties that are best suited for exhibition and with the proper ways to plant, cultivate, prune, protect and nurture the bushes from which the potential prize winners are to be gathered.

Part 2 goes into the details of dis-budding, shading and cutting specimens, proper refrigeration and trans-

The quality name in turf maintenance . . .

## SOD-MASTER

### The new BANTAM

A new, compactly built and economically priced power sod cutter incorporating performance features that are unusual in a machine of this size. Built with the same care and precision that has made the SOD-MASTER "Professional" the standard of quality in sod cutters.



#### ★ SOD-MASTER "PROFESSIONAL"

With Measure-Matic Divider Sets the highest standards of production in sod cutting. The Duo-Speed transmission handles varied ground conditions and a wide range of cutting speeds with minimum operator effort. The exclusive Measure-Matic Divider, with walking action, cuts sod strips accurately to any length.

#### ★ SOD-MASTER POW-R-EDGER

The first new concept (patent pending) in a power edger. The SOD-MASTER POW-R-EDGER is safe (no rotating blade) fast, and does a clean job. Sod edge is removed in a strip which is easily gathered up. For sand traps, walks, driveways, flower beds, trees, etc.

Write for full information.

**SOD-MASTER CO.**

3456 N. Washington Ave.  
Minneapolis, Minn.

#### ESPECIALLY DESIGNED FOR:

- Parks and golf courses
- Landscapers
- Rental agencies
- Water, gas, and electric utility companies

## PLANT WITH CONFIDENCE!

When you start your stock in JACK POT peat moss pots, you can be sure it will grow healthier, faster and more profitably than ever before!

Using organic JACK POTS that are transplanted with the plants is especially beneficial to every kind of

### LINING OUT STOCK.

Plant roots push out through the peat pot walls in a natural, healthy position, rather than growing in a root-damaging ball. Transplant shock is eliminated, too, because plant and pot are transplanted together.

### STURDY JACK POTS

are easier to handle than other containers. Lightweight and expendable, they cut time, labor, shipping costs. Less water is required because the pots retain moisture. Their extreme porosity also permits better root aeration.

### EVERY GROWING NEED

is met by the JACK POT line of 11 pots, square and round, in Sturdi-Wall and Thin-Line construction.

### BEDDING PLANT TRAYS

designed to hold 6 or 12 plants, individually potted in peat moss pots, are available, too. These are ideal for more efficient and more profitable merchandising of bedding plant stock to home gardeners. Write today for JACK POT literature and price list.

**WILLIS-REYNOLDS  
CORP.**  
Lebanon 3, Ind.



**JACK POT**  
PRODUCTS

portation, and grooming flowers prior to staging. Show schedules and entries, as well as plant records, are matters for advice. The concluding chapters are the author's comments on showing roses for enjoyment, hybridizing and budding, acting as show judge and entertaining audiences. The author is quite versatile, being an accomplished violinist, a ready storyteller and a passable artist, contributing 67 line drawings to his book, which is entertaining and full of sound advice.

### SUNSET PATIO BOOK

The revised edition of the Sunset Patio Book—the first published nine years ago—is a book of 166 pages, 8 1/4 x 10 1/4 inches, containing more photographs than text. There are 200 of them, all the way from about one-sixth to full page in size, and 120 are said to be new. Several all-new chapters are included. The text includes planning; the various structural parts of a patio, from pavement, walls and roofs to lighting and pools; planting trees, vines and containers, and extensions in the form of lanais and rooftop patios. Priced at \$2, the book is the product of the editorial staffs of Sunset books and Sunset magazine and is published by the Lane Book Co.

### THE WISTERIAS

[Continued from page 11]

way they twine. Some vines climb by twining from left to right; others twine by climbing from right to left. The two native species, frutescens and macrostachya, and the Chinese wisteria, sinensis, twine by climbing from left to right. The other three species in the Arnold Arboretum, floribunda, formosa and venusta, all twine by climbing from right to left.

If a plant that is naturally growing around some upright object starts on the lower left side of the rigid object and grows or twines upward toward the right side, it belongs to one group; if the reverse is true, then the other.

This is most helpful, not only in training the vine properly, but also in identifying it. Of all the Japanese varieties checked in this respect (several plants of each), none showed any variation from twining by climbing from right to left. The varieties Issai and Mrs. McCullagh, it has been noted by others, are not true W. floribunda types (they twine by climbing from left to right), but are probably hybrids of W. sinensis.

Some plants, like the huge Rose-

## Newest Method In Weed Control

**CULTIVATES SAFELY  
BETWEEN EACH PLANT**

**WHY RISK YOUR CROP  
WITH CHEMICAL  
WEED CONTROL?**



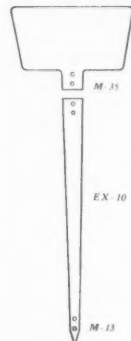
**NOTE COMPLETE CULTIVATION**  
Write for descriptive literature and prices now.

**BUDDINGH InROW WEEDER CO.**  
Box 54 Dutton, Mich.

Mention The American Nurseryman when you write.

**Label Nursery Stock  
with Ease . . . . .**

**"PYLON"  
PLANT MARKERS**



**New Large Size M-13  
Is Ideal for Field Use**

. . . Easily marked with plastic wax pencil . . . easily cleaned with soap and water for reuse . . . the M-13 is a combination of M-35, a large 3x5-in. marking area, and EX-10 extension unit, giving an over-all height of 13 ins. . . For greater height or rugged field use, M-35 can be nailed to a wood lath.

**PYLON PLASTIC MARKERS ARE  
CLEAN — NEAT — REUSABLE**

Prices:  
M-13 (combination) . . . 100 units, \$10.00  
Available individually  
M-35 (heads only) . . . . . 100 for 7.25  
EX-10 (stems only) . . . . . 100 for 2.75

### AVAILABLE FOR RETAIL SALES

Sturdy, rotary display merchandiser with 155 packages (7 practical sizes for the home garden) . . . only \$31.95

Write for samples and catalog sheets.

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craft wisteria at Point Loma, Calif., or the excellent plant so carefully tended for many years by Miss Mary P. Barnes, Hingham, Mass., or the huge *W. sinensis* growing in the little town of Sierra Madre, Calif., have created wide interest, because of tremendous size and profuse bloom. These have grown to such proportions that they cover hundreds of square feet and undoubtedly have been propagated. Some may have been given varietal names. So, today, there are many wisterias in this country, but there is much that they have in common. Only the better varieties should be grown.

### Tree Wisterias

Tree or standard wisterias are produced by staking the vines rigidly upright and then pruning the tops heavily for years, thus forcing the stem to grow to trunklike proportions. In the south, wisteria vines are allowed to ramble into the tops of the tallest trees, but it should always be kept in mind that they are twining vines and can strangle trees and shrubs on which they climb.

In certain parts of China, the natives consider the flowers of *W. sinensis* a delicacy. The flowers are collected when in full bloom and shipped to areas of wealth, where they bring premium prices. They are steamed and eaten. Flowers of the more fragrant Japanese species are not so valued for this purpose, for their flower odor is strong and is a continual reminder that they are flowers after all! Flowers of robinia species are also cooked and eaten this way.

The Chinese wisteria is not quite so hardy as the Japanese, *W. floribunda*. During extremely cold winters, the flower buds of both may be killed. Some gardeners in the northern states and southern Canada like wisterias so much that they are willing to take the pains of laying the vines on the ground each fall and covering them with soil to protect the flower buds from too low a temperature. This is a considerable effort, since the main stem of the wisteria becomes very woody and more or less rigid as it grows older, making the vine much more difficult to handle in this way than rambler roses.

### Order of Bloom

The wisterias in the Arnold Arboretum bloom throughout a 4 to 5-week period, starting with *W. venusta*, the earliest, and ending with *W. macrostachya*, which blooms after the others have all faded. In fact, it blooms after the leaves

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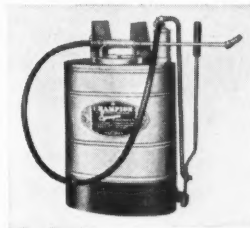
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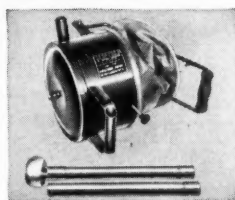
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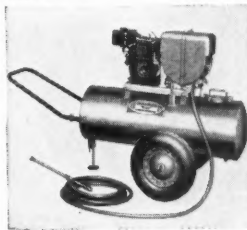
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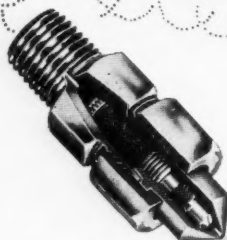
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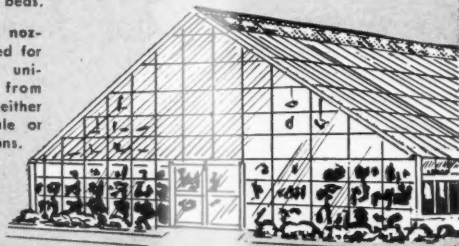
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are out, so that they frequently hide the pale bluish blooms. *W. frutescens* has not been recorded as blooming recently in the Arnold Arboretum, but it probably blooms after *W. macrostachya*. The order in which they normally bloom is as follows:

Full bloom, May 16

*W. venusta* and varieties

Full bloom, May 23

*W. floribunda* Macrobotrys

*W. formosa*

*W. sinensis* and varieties

Full bloom, May 30

*W. floribunda* and varieties

Starting to full bloom, June 10

*W. macrostachya* (blooms when others are past)

### Best for Fragrance

Most of the varieties noted for their delicious fragrance belong to the species *W. floribunda* or its hybrid, *W. formosa*. The true Chinese wisteria has little fragrance, but it may well be that there are many vines passing in gardens as *W. sinensis* that are actually hybrids (i.e., *W. formosa*). *Wisteria venusta* is only slightly fragrant. The best of all the varieties in the Arnold Arboretum for fragrance might be:

*W. floribunda* Kuchi Beni

*W. floribunda* Longissima Alba

*W. floribunda* Macrobotrys

*W. floribunda* Naga Noda

*W. floribunda* Rosea

*W. formosa*

*W. sinensis* Jako (possibly a hybrid)

### Length of Clusters

The length of the clusters varies with the species, variety and growing conditions. *Wisteria frutescens* has the shortest clusters, about two to five inches long, thus eliminating it as a desirable ornamental. *Wisteria floribunda* has the longest, some of its varieties having clusters 36 inches long in the Arnold Arboretum, and most of them 12 to 24 inches.

E. H. Wilson measured clusters of *W. floribunda* *macrostachya* in Japan as much as 64 inches long, grown under ideal conditions. This was on a huge vine growing on a bamboo trellis covering one sixth of an acre. However, this length of cluster can vary on the individual plant. For instance, one plant at the Case Estates, Weston, Mass., one year had only a dozen or so clusters, but some measured 36 inches long. The next year this same plant produced a large number of clusters, most of which were about 24 inches in length.

The variety *Kyushaku* has clusters four to five feet long when grown properly in this country, according to the introducer, A. E. Wohler, Narberth, Pa., who special-

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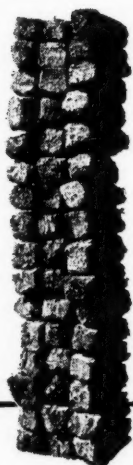
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ized in these plants. Consequently, length of cluster will vary with weather and growing conditions.

The following modest measurements were taken in the Arnold Arboretum collections during a 5-year period:

- 3 to 5 inches long
  - W. venusta and varieties
- 6 to 12 inches long
  - W. floribunda Alba
  - W. floribunda Geisha
  - W. floribunda Murasaki Noda
  - W. floribunda Russelliana
  - W. floribunda Sekine's Blue
  - W. floribunda Shiro Noda
  - W. floribunda Ushi Jima
  - W. floribunda Violaceo-Plena
  - W. macrostachya
  - W. macrostachya Mrs. McCullagh
  - W. sinensis
  - W. sinensis Jako
  - W. sinensis Sierra Madre
- 13 to 18 inches long
  - W. floribunda Beni Fugi
  - W. floribunda Kuchi Beni
  - W. floribunda Longissima Alba
  - W. floribunda Rosea
  - W. floribunda Royal Purple
  - W. formosa
- 20 inches long and more
  - W. floribunda Kyushaku, 26 inches
  - W. floribunda Macrobotrys, 36 inches
  - W. floribunda Naga Noda, 24 inches

It should be emphasized, however, that these measurements are only for these plants growing on one type of soil. W. B. Clarke said that W. floribunda Longissima would produce 3 to 4-foot flower clusters un-

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der his conditions. Possibly others will do similarly better if given more suitable growing conditions. The variety Shiro Noda has been recorded as having clusters 30 inches long in this country, but has not yet performed that way in our collection.

#### Flower Colors

The wisterias can be classified or selected according to four general traits; namely, color, fragrance, time of bloom and length of bloom. Consequently, one cannot eliminate varieties merely by color alone. It might be far more satisfactory to buy a variety known to produce flowers early, regardless of color or size of bloom, rather than to wait years for the plant to produce its first flowers. However, there are certainly not 30 or 40 different varieties of wisterias worthy of being grown and widely planted in this country.

The following varieties are grouped in their respective color groups, together with notes about them, merely as an aid for those who wish to make their own selections. Colors are those of the Royal Horticultural Colour Chart. The number of leaflets on the leaves of the plants varies, of course, and should not be used as a means of distinguishing one variety from another, but the number given is the number normally found on well-grown leaves.

Also, the length of flower cluster varies on the same plant and from year to year. For instance, clusters of Ushi Jima were only six inches long one year but 13 inches long two years later on the same plant. Consequently all these figures are given merely as a matter of record. Apparently, the flower clusters of a certain variety will become better and longer as the plant becomes better and better established.

#### Selections of Varieties

Selections of the better varieties as they have performed up to this time in the Arnold Arboretum are listed with an asterisk (\*) but undoubtedly there is ample opportunity for further testing in this interesting group.

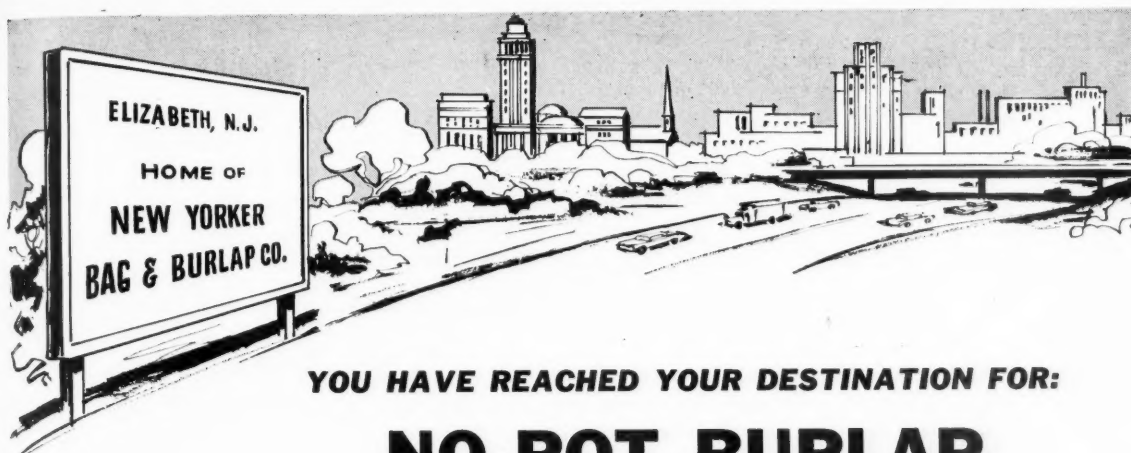
#### Flowers White

\**W. floribunda* Alba: Clusters 10 to 11 inches long; dense; moderate fragrance; 13 leaflets.

*W. floribunda* Kuchi Beni: Clusters 12 inches long; good fragrance; color not a pure white, but slightly pinkish, giving a somewhat faded appearance; 15 leaflets.

*W. floribunda* Longissima Alba: Clusters 14 inches long; good fragrance; supposedly a sport of the





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violet-colored Longissima; 13 leaflets.

*W. floribunda* Shiro Noda: Clusters eight inches long; moderate fragrance; 15 leaflets; has been listed in catalogs with flowers 24 to 30 inches long.

*W. sinensis alba*: The true vine has not bloomed recently in the Arnold Arboretum, but should be similar to *W. sinensis* except in color.

\**W. sinensis* Jako: Clusters 11 inches long, dense; 11 leaflets; excellent fragrance. This is probably in the trade as *W. sinensis alba*, but is a much more desirable plant.

*W. venusta*: Clusters three inches long, thin and open; very little fragrance; nine to 13 leaflets; poor ornamental. There is supposed to be a form with double white flowers, but all plants we have received under the name *W. venusta plena* have turned out to be *W. floribunda* Violaceo-Plena.

#### Flowers Pink

\**W. floribunda* Rosea: Clusters 15 inches long; excellent fragrance; 15 leaflets; color, amaranth rose 530. W. B. Clarke noted some years ago that this had a deeper pink color than a variety called *carnea*, which has since been discontinued.

[Continued on next page]

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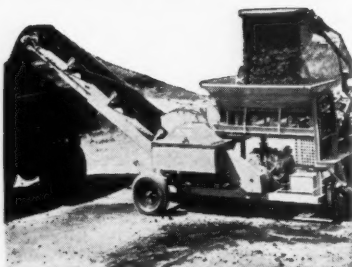
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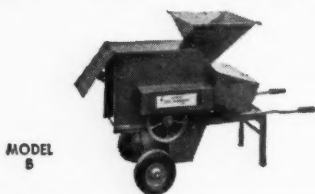


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### Flowers Light Reddish Violet to Violet

*W. floribunda*: Clusters 18 to 20 inches; moderate fragrance; 15 leaflets; standard of flower whitish; keel and wings cobalt violet 634/2. These colors vary widely when plants are grown from seeds. Flowers open progressively from base of cluster to the tip at the same time the leaves appear (Syn. *W. multijuga*).

*W. floribunda Beni Fugi*: Clusters 12 to 14 inches long; fair fragrance; 19 leaflets.

*W. floribunda Kyushaku*: Clusters 26 inches; fair fragrance; identical in color with *Macrobotrys*. It may well be that this variety and *W. floribunda Longissima* are identical. *Kyushaku* was first offered by A. E. Wohler, of the Garden Nurseries, Narberth, Pa., shortly before 1935 as the "ultimate" in length of wisteria flowers.

*W. floribunda Longissima*: W. B. Clarke has noted that this is the same as *Kyushaku*. Some nurserymen have given the name *Longissima* to selected seedlings, however, so plants with this name are probably not identical.

*\*W. floribunda Macrobotrys*: Clusters 18 to 36 inches long and longer; excellent fragrance; standard of flower cobalt violet 634/3, keel and wings cobalt violet 634; supposedly the variety with the longest flower clusters.

*\*W. floribunda Murasaki Noda*: Clusters 10 inches long; fair fragrance; 15 leaflets; identical with *Macrobotrys* except that the standard of the flower is larger and slightly lighter.

*\*W. floribunda Naga Noda*: Clusters 18 inches; excellent fragrance; 17 leaflets; standard of flower bishop's violet 34/1, keel and wings bishop's violet 34/3.

*W. floribunda Royal Purple*: Clusters 12 to 14 inches; fair fragrance; 15 leaflets; standard mineral violet 635/1, keel and wings mineral violet 635/2; first offered in 1937 by W. B. Clarke, San Jose, Calif.

*W. floribunda Russelliana*: Clusters eight inches; little fragrance; 15 leaflets; standard of flower almost white, wings and keel mineral violet 635.

*W. floribunda Violaceo-Plena*: Clusters 10 to 12 inches; fair fragrance; 13 leaflets; double flowers of varying shades of reddish violet. Not an ornamental variety, since the plants produce few flowers, which rot quickly in wet weather.

*W. floribunda Ushi Jima*: Clusters 13 inches; poor fragrance; 15 leaflets; flower standard white and vio-

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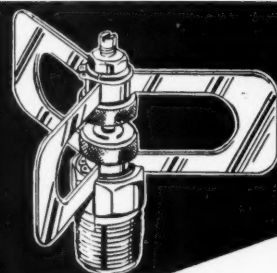
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let 36/2, wings and keel violet 635.

*W. frutescens*: Clusters two to four and one-half inches; 11 leaflets; lilac-purple flowers.

*W. macrostachya*: Clusters 12 inches; 11 leaflets; blooms after all other types (except *W. frutescens*) have passed.

#### Flowers Violet to Bluish Violet

*W. floribunda* Geisha: Clusters 12 inches long; moderate fragrance; 13 leaflets; flower standard whitish, wings and keels sea lavender violet 637/1.

*W. floribunda* Sekine's Blue: Clusters seven inches; little fragrance; 17 leaflets; standard whitish, wings and keel sea lavender violet 637/2.

\**W. Issai*: Clusters 12 inches; moderate fragrance; 17 leaflets; flowers "blue purple" according to W. B. Clarke, but it has not bloomed for several years in the Arnold Arboretum. Probably a hybrid form, because it twines by climbing from left to right and also from right to left.

\**W. formosa*: Clusters 12 inches; excellent fragrance; 13 leaflets; a hybrid (*floribunda* x *sinensis*) twining by climbing from right to left, but with all the flowers opening at once; flower standard campanula violet 37/3, wings and keel campanula violet 37/1. It is probable that many so-called Chinese wisterias being grown in gardens today are actually *W. formosa*. However, since this is a hybrid species, it may well be that some unnamed clones are not nearly so good as others. Care should be taken in making (and possibly naming) the better clones.

*W. Mrs. McCullagh*: Clusters six inches; moderate fragrance; color only noted as bluish violet. It is less vigorous than the others; not a good type.

\**W. sinensis*: Clusters eight inches long; only slightly fragrant; 11 leaflets; flower standard methyl violet 39/3, wings and keel violet 36/1; twines by climbing from left to right; the standards of individual flowers are larger than those of *W. floribunda* types (*floribunda*—11/16 x 3/8 inch; *sinensis*—1 x 3/4 inch) and all the flowers open together before the leaves appear.

*W. sinensis* Sierra Madre: Clusters eight inches; excellent fragrance; 13 leaflets; flower standard whitish, wings and keel sea lavender violet 637/1; merely propagated from a large vine at Sierra Madre, Calif., that has been given wide publicity. This may be a hybrid.

\**W. venusta violacea*: Clusters six inches; good fragrance; 13 leaflets;



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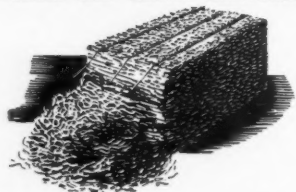
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flower standard whitish, wings and keel methyl violet 39/2. A good variety. W. B. Clarke said that older plants, especially those grown in standard form, have an extraordinary profusion of bloom, better than of any form of *W. sinensis*.

### Wisterias Not Seen in Flower

*W. floribunda* variegata — Variegated leaves; of little ornamental value.

*W. frutescens* nivea — Flowers white but of little ornamental value.

*W. japonica* — Evergreen, zone 7; of little ornamental value.

*W. macrostachya* albo-lilacina — With lilac-pinkish flowers, probably of little ornamental value.

*W. villosa* — Native of northeastern China. *W. sinensis* flore-plena — Said to be grown in England, but extremely hard to find in America. This may be *W. venusta* Plena.

*W. venusta* Plena — With double white flowers, may be a worthy ornamental. This is the only double white wisteria known.

### LIME WITH NITROGEN

In the past, the importance of using lime in greenhouse and field soils has been stressed many times. The need for lime becomes greater when large quantities of nitrogen fertilizers are used.

Among the important side effects resulting from the use of nitrogen fertilizers is an effect on the soil reaction or pH, states Dr. O. R. Lunt, department of soil and irrigation, University of California at Los Angeles. Ammonium fertilizers are acidulating, whereas nitrate fertilizers, by virtue of the metallic base, tend to maintain the soil pH unchanged. The following tabulation indicates the acidulating tendency of various fertilizers by indicating the pounds of lime required to neutralize the acid produced per unit of 20 pounds of nitrogen: Ammonium sulphate, 143; calcium nitrate, 8; urea, 71; ammonium nitrate, 70; ammonium phosphate (16-20), 135; hoof and horn meal, 50, and blood meal, 70.

Thus, if ammonium fertilizers are being used in large quantities, care should be taken to prevent the soil's becoming overly acid with prolonged use. Many growers become concerned when lime applications applied to the surface of the soil around growing plants have not measurably changed the pH. For best results, the lime should be applied before planting and mixed thoroughly into the soil, preferably by rototilling.

W. H. PATTISON recently opened the Yuba-Sutter Nursery, Yuba City, Calif.

## PLANT PATENTS

The following plant patents were issued recently, according to Rummeler and Snow, Chicago patent attorneys:

No. 2018. Rose plant. To Herbert C. Swim, Ontario, Calif., and O. L. Weeks, Chino, Calif., assignors to the Conard-Pyle Co., West Grove, Pa. A new and distinct variety of rose plant of the hybrid tea class, characterized particularly as to novelty by the unique combination of productive and vigorous plant habits; a neat and compact plant form, with many erect, well-placed and well-proportioned branches; attractive foliage of large size and an abundance thereof, which gives the plant a well-clothed appearance; a relative scarcity of prickles on the flower stems; graceful proportions of the bud in relation to the number of flower petals, and a distinctive variable blend of pink and yellow flower color generally in the range of salmon, orange and pink and combinations thereof.

No. 2019. Chrysanthemum plant. To Elizabeth B. Parker, Los Angeles, Calif. A new and distinct variety of chrysanthemum plant, characterized particularly as to novelty by the pronounced, sweet, musklike fragrance of its flowers; the relatively long duration of the fragrance, and the distinctive coloration of the petals of the open flower, having in the proximal portion of the petals a capucine-yellow color tonality shading into orange buff as the distal portion of the petals is approached.

No. 2020. Rose plant. To Gordon J. Von Abrams, Portland, Ore., assignor to Eldon Pinkney Dering, Scappoose. A new and distinct variety of rose plant of the hybrid tea class, characterized particularly by its unique flower color, the large size and high-centered form of the flower in full bloom, the contrasting dark color of the foliage and the bushy, upright growth of the plant.

No. 2021. Azalea plant. To George Albert Reid, Linwood, N. J., assignor to Fischer Greenhouses, Linwood. A new and distinct variety of azalea plant, characterized particularly as to novelty by the unique combination of extremely good winter hardiness of both the plant and buds; an evergreen habit; large flower size; an interesting and complicated semidouble hose-in-hose flower form; a bright, strong purplish-red general color tonality of the flowers, and a suitability for early greenhouse forcing, with a general blooming range extending from the latter part of December to approximately mid-May.

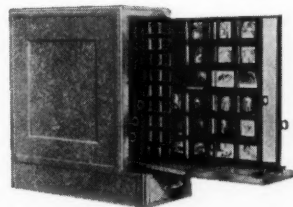
No. 2022. Rose plant. To Alfonso C. Sodano, Newtown, Pa., assignor to A. Sodano & Son, Newtown, a partnership. A new and distinct variety of rose plant of the floribunda class, characterized particularly as to novelty by the unique combination of foliage which is glossier and darker than the foliage of the variety Elfe (unpatented) and comparable in color to the foliage of English holly, said foliage being borne relatively close together on the stems; a larger flower size and greater petalage than the flowers of the variety Elfe, with the flowers borne on stems having a shorter neck and

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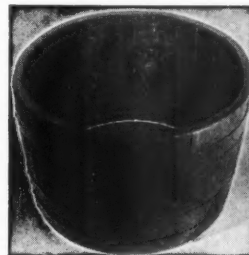
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421 W. Avery St.

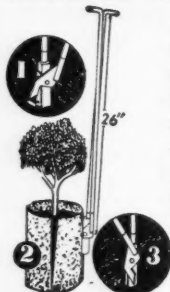
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good keeping qualities of the flowers  
when cut.

No. 2023. Chrysanthemum plant. To  
Orville O. Dunham, Niles, Mich. A new  
and distinct variety of chrysanthemum  
plant, characterized as to novelty by the  
strong reddish-purple to light purplish-  
pink color of its blooms; the small honey-  
comblike globular flower form; the com-  
pact shape of the plant, and its better,  
early, continuous and long blooming  
habit.

No. 2024. Apple tree. To Philip J.  
Jenkins, Parker, Wash., assignor, by  
mesne assignments, to Stark Bros.' Nur-  
series & Orchards Co., Louisiana, Mo. A  
new and distinct variety of apple tree,  
characterized particularly as to novelty  
by the unique combination of a semi-  
dwarf habit of growth; production of  
many fruiting spurs at an early age; a  
compact, spurry growth comparable to  
that of the Bisbee apple variety (plant  
patent No. 1565), with the spurs, flower  
buds and shoots of much thicker caliper  
than those of the variety Golden Deli-  
cious and the spurs being borne much  
closer together on the laterals; a fruit  
form which is broader at the base and  
longer than the fruit of Golden Deli-  
cious, said fruit having five large, rela-  
tively conspicuous points at the calyx  
end, and a high productivity of fruit  
comparable in quality to the fruit of  
Golden Delicious.

No. 2025. Chrysanthemum plant. To  
Eugene S. Boerner, Newark, N. Y., as-  
signor to Jackson & Perkins Co., New-  
ark. A new and distinct variety of  
chrysanthemum plant of the shaggy deco-  
rative class, characterized particularly as  
to novelty by the unique combination of  
a branching habit of growth; dark cress-  
green color of the foliage; an early bloom-  
ing habit; large flower size, and a dis-  
tinctive white general color tonality of  
the flowers, with the lower half of the  
flower petals lightly overcast with a  
barium-yellow color.

No. 2026. Chrysanthemum plant. To  
Eugene S. Boerner, Newark, N. Y., as-  
signor to Jackson & Perkins Co., Newark.  
A new and distinct variety of chrys-  
anthemum plant of the shaggy decorative  
class, characterized particularly as to  
novelty by the unique combination of an  
early blooming habit; large flower size;  
tubular effect of the flower petals at ma-  
turity, and a distinctive carnelian-red,  
lightly overcast with scarlet, general  
tonality of the flowers.

No. 2027. Chrysanthemum plant. To  
Eugene S. Boerner, Newark, N. Y., as-  
signor to Jackson & Perkins Co., Newark.  
A new and distinct variety of chrys-  
anthemum plant of the large, rounded ball  
type, characterized particularly as to  
novelty by the unique combination of a  
vigorous habit of growth; the airy form  
of the plant; an early blooming habit;  
stiff flower stems; the large, rounded  
ball form of the flowers, and a distinc-  
tive scarlet general color tonality of the  
flowers.

No. 2028. Chrysanthemum plant. To  
Eugene S. Boerner, Newark, N. Y., as-  
signor to Jackson & Perkins Co., Newark.  
A new and distinct variety of chrys-  
anthemum plant of the decorative class,  
characterized particularly as to novelty  
by the unique combination of a hardy  
and vigorous habit of growth, large foli-

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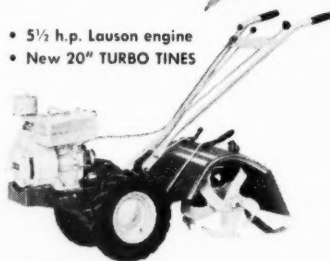
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age, large flower size, crisp and firm flower petals and a distinctive spinel-red general color tonality of the flowers.

All patents prior to and including plant patent No. 625 have expired and become public property. Until the actual date of expiration, a plant patent excludes others than the patent holder from propagating as well as growing or selling the plant.

### MAIL-ORDER TRADE

[Continued from page 7]

sale since the wartime peak and we were in exceptionally good shape April 1.

"April, I guess, has surprised everyone. While we did not anticipate the returns would equal 1960, we certainly did not foresee the drop that resulted in our poorest April since 1950. If May follows the patterns of April, we stand to lose everything we gained in March, but, with the cold, wet weather that is forecast, we are hoping for a prolonged season.

"As far as the type of business is concerned, we represent many branches of the industry, and, while we do not have complete breakdowns at this point, it appears that food items have shown more substantial gains than ornamentals."

### Stresses Competition Effects

Clifford R. Emlong comments on increasing competition from new retail outlets and continued transportation difficulties in his report from Emlong Nurseries, Stevensville, Mich. He describes a generally below-average season as follows:

"Our mail-order business began rather slowly this year, probably because of economic conditions and weather. However, it improved during March; we thought that we were going to have an average season. Then the month of April arrived and business declined rapidly and is continuing the same way. It is apparent that the mail-order business will be off again this year.

"There is no doubt in my mind that there is a surplus of nursery stock in the country. And the fact that much of this surplus was brought forth to be sold in large chain stores has not helped the mail-order business. It is also apparent that we must do the bulk of our mail-order business by April 15; we cannot expect too much after that time, because of the many new retail outlets in the area where we do our business, including the chain stores and new garden center outlets.

"Transportation of nursery stock



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PRATT'S SPRAY FOR EVERGREENS supplies the big need for a good general purpose spray. Controls all common insects affecting evergreens, shade trees and ornamentals. Contains Lindane, Malathion and DDT, plus a miticide. 8 oz. make 15 gals. Descriptively named and attractively packaged—sells on sight. Also available in bulk sizes.

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1 pt.	2.50	6 to case	9.00
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### ALL-PURPOSE FLOWER SPRAY



PRATT'S LIQUID ROSE SPRAY is an all-purpose insecticide-fungicide — the best spray for killing insects, fungus and mites on roses and other flowers. Dilutes at 4 tsp. per gal. for insects and 1 oz. per gal. for diseases. Will not clog sprayers. A big repeat seller.

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8 oz.	\$1.50	12 to case	\$10.80
1 pt.	2.50	6 to case	9.00
1 qt.	4.50	6 to case	16.20

### CONTROL NEMATODES SAFELY



PRATT'S NEMAGON controls nematodes in established lawns, turf grasses and on roots of shrubs, ornamentals, nursery stock, roses and shade trees. Use and sell this emulsifiable concentrate of Nematagon soil fumigant. It's safe for pre-plant or post-plant treatment.

	Retail	Packed	Dealer
1 pt.	\$4.00	6 to case	\$14.40
1 qt.	7.00	6 to case	25.20

Freight allowed on 6 or more cases

Prices slightly higher west of Mississippi River.

Send for prices on the complete Pratt Line.

B. G. PRATT CO., 189 TWENTY-FIRST AVE., PATERSON 3, N. J.

## SAVE TIME... SAVE LABOR...

with our K.W.H. KNAPSACK MISTBLOWERS and DUSTERS, 1 and 3-H.P. models.

K.W.H.-75 MISTBLOWER, equipped with 3-H.P. engine, gives complete mist penetration to 50 ft.

Tractor Models: 6 to 36-H.P.



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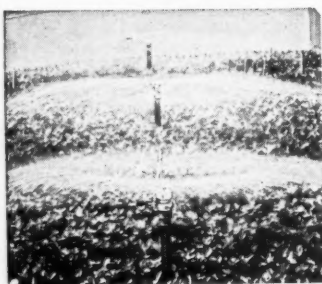
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North Caldwell, N. J.

# MONARCH FOGGERS

for  
MIST  
PROPAGATION  
and  
GREENHOUSE  
HUMIDIFICATION

Less water      Less trouble  
No clogging



View of Monarch Foggers in propagation cutting bed. Foggers are installed on standpipes 4 to 6 ft. above cutting beds and 4 to 6 ft. apart.

- Keep beds moist without excessive water.
- Produce fine mist with wide coverage.
- Mineral deposits will not clog orifice.



## Monarch Foggers

Available with  
3/8, 1/2, 3/4-in. male  
and 1/4-in. female  
pipe thread.

**\$1.75**

Each, postpaid  
with check.

FOGGER CAPACITY AND APPROXIMATE  
BENCH WIDTH COVERED  
at 25 Lbs. Pressure, 4-Ft. Height

Orifice Size	Spray Angle Degrees	Gallons Per Hr.	Coverage 4-Ft. Height
0.9*	60	0.45	36 ins.
4.6	160	2.30	48 ins.
6.4	160	3.20	60 ins.
10.0	160	5.00	72 ins.
14.5	160	7.20	72 ins.

\*This 0.9 nozzle designed to provide greenhouse humidity only—all others for mist propagation.

ELECTRONIC  
CONTROLS  
AVAILABLE

Write for  
Circular

**W. A. WESTGATE CO.**  
P. O. Box 445-E      Davis, Calif.  
Monarch Spray Equipment

is continuing to be a problem, and delays in transportation have certainly lost many mail-order customers for the industry. Therefore, we have our fingers crossed for what we can expect during our fall season. If economic conditions improve, I think we will have a fairly good fall."

### Iowa Sales Irregular

The Henry Field Seed & Nursery Co., Shenandoah, Ia., experienced a spring season of widely fluctuating sales in which fruit trees and perennials moved well, but demand for patented roses hit a new low, according to George Rose, vice-president. He writes:

"This has been another year of ups and downs in sales, which, as usual, have closely paralleled weather. We started out the season with sales below those of a year ago, but in mid-February started to gain; by mid-March our total sales were 26 per cent above those for the same period in 1960.

"From that time on, they started to drop. At the present writing (May 8) they are about 3 per cent ahead of the 1960 sales and gaining just slightly. It is too late in the season, however, for mail-order sales percentages to change much before the end of the season in June.

"Our fruit tree sales have been excellent, as have such items as cannas, gladioli and the general run of perennials. Roses have slumped badly, particularly patented roses; of the patented roses, the patented floribundas have been the worst of all.

"This dropping trend has been showing for a couple of years but has been really bad this year. My own feeling is that patented roses are priced too high to attract the volume of sales that are needed in an ordinary mail-order business. Garden seeds have been flowing along at a steady rate as they generally do, and most merchandise items show nice pickup."

Wayne Ferris notes a sharp drop in spring sales after April 15, a shortage of berry plants and increasing shipping difficulties in this letter from the Earl Ferris Nursery Co., Hampton, Ia.

"Until April 15th, our sales of nursery stock were good. We experienced sales similar to those we had in 1959. Since April 15th, because of extremely cool, bad weather, our sales have dropped to last year's low levels.

"We have experienced a shortage of supply of berry plants this year, as our sales on small fruit have been good; the supply over the country

KILLS  
NIGHT FLYING  
INSECTS  
BEFORE THEY  
LAY EGGS

ODOR FREE

HARMLESS  
TO BIRDS, BEES  
AND CHILDREN

WORKS  
4 HOURS  
FOR 1¢

**\$39.95**

## HoL-DeM electronic BUG KILLER

Miracle BLACK-LIGHT Lamp draws insects from 100 yards in all directions . . . they can't resist its mysterious fascination . . . then whoosh . . . they are trapped in a jet stream that leads straight to mass destruction.

Kills flies, mosquitos, gnats, moths, fruit flies and many crop and livestock pests. WORKS INDOORS OR OUT

Your HoL-DeM distributor has them.  
**HoL-DeM Electric Fencer Co.**  
1370 N.E. Quincy, Minneapolis 13, Minn.

## IT COSTS NO MORE (and in most instances less) FOR OUR PACKING OF Nursery Burlap Squares and Rolls

Write for prices and samples

**L. ATKIN'S SONS**  
P. O. Box 167      Rochester, N. Y.

## "MISTER 100"

**MIST PROPAGATION NOZZLE**—finest ever developed — wide coverage — flat plane of mist. Spaced 3 ft. apart — drilled and tapped holes — 3/4-in., 1-in. or larger pipe. Sample postpaid \$1.00. Satisfaction guaranteed. Send for your sample today.

**WHITESHOWERS, INC.**

17514 Woodward Ave.      Detroit 3, Mich.

## Twine and Cordage

For All Nursery Requirements

**GEO. B. CARPENTER & Co.**

SINCE 1840

401 N. Ogden Avenue, Chicago 22, Ill.

seems to be short. Our salesyard sales have been good but irregular—again because of the weather.

"Our biggest headache has been express shipments. It seems that every year it takes longer and longer for express shipments to reach their destination—with no help from the express company in getting quicker delivery. In fact, this service is getting to be passe."

#### Minnesota Weather Cuts Sales

"At the present time we are not particularly happy with the mail-order business as compared to last year's," writes K. E. Relyea, Farmer Seed & Nursery Co., Faribault, Minn. "Our over-all mail-order business is a little less than 10 per cent behind.

"Of course we have had an exceptionally bad spring, weather-wise. We received practically all our snow in late March and April. The weather has been exceedingly cold. We have, up until May 1, had a heavy freeze every night. The grass is just beginning to turn green; buds are beginning to swell on the trees. I would say offhand that the season must be considered at least two weeks late and probably three, compared with a normal season.

"What this has done to our mail-order business we don't know, but we have a feeling it has had a detrimental effect. It may be that if we have a spell of normal weather in May our deficiency will be made up.

"Our retail stores are going along pretty well, although the season opened late for them, too. At the present time we find them somewhat ahead of a year ago.

"If we were to place an emphasis on any one particular item that seems to be moving well this year, we would name strawberries.

"We wish we could term this an outstanding season, but unfortunately this is not the case. All we can do is hope for good planting weather during May and June."

#### 20 Per Cent Gain in Missouri

An estimated sales gain of 20 per cent over the poor spring of 1960 at the Forrest Keeling Nursery, Elsberry, Mo., makes the mail-order picture more encouraging, according to Hugh Stevenson, proprietor. Other details of the nursery's spring operation, including a revised catalog, are noted in the following letter:

"It looks as though our mail orders shipped this spring and the dollar volume will run 20 per cent ahead of last spring's. This is not an unusual or unexpected increase in view of the extremely adverse weather of



**HOZON**

... means **EXTRA SALES**

**to Garden Lovers**

This popular, fast-selling device provides an easy, economical way to apply soluble fertilizers and chemicals wherever the garden hose reaches. No danger of burning. Draws in and dilutes as you sprinkle. SELL A HOZON to each purchaser of fertilizers or other garden supplies. Individually packaged, \$2.25 list. Carton of 12 weighs 5 pounds, costs \$16.20 F. O. B.

**HOZON COMPANY**  
Box 703, Cleveland 22, Ohio  
This is Hozon's 26th year



#### NEW COMPLETE CONSTANT MIST PROPAGATION SYSTEM

TO ROOT SOFTWOOD CUTTINGS of ROSES, CAMELLIAS, AZALEAS, RHODODENDRONS, CHRYSANTHEMUMS, other shrubs, trees and house plants outside in plastic enclosure supplied with fog from a NEW 160° SPRAY ANGLE FOG NOZZLE of long-lasting stainless steel—low-capacity, 1½ gals. per hr. at 40 p.s.i. Cheap to operate. NO TIMERS OR CONTROLS NECESSARY. No drainage problem. Easily set up anywhere outdoors. Connect to garden hose. Big capacity—diameter 4 ft., holds up to 1000 cuttings—several crops a season. IDEAL FOR EXPERIMENTATION WITH LIGHT, HEAT, MIST AND HORMONES on softwood cuttings. MISTIC BUBBLE COMES COMPLETE, except for bricks and sand. Directions incl. \$29.95 ppd. in U. S. Extra covers—New type, heat-sealed for long life—\$5.95 each.

#### INCREASE PROFITS WITH NEW 160° STAINLESS STEEL NOZZLE

LOW CAPACITY (1½ to 2½ gals. per hr. depending on pressure) STAINLESS STEEL NOZZLE. Ideal for greenhouses or where drainage is a problem. Install overhead or on standpipes—monel strainer—specify ¼-in. male or ½-in. female pipe threads. 40 p.s.i. and up. \$2.75 ppd. in U. S. Adapter for garden hose \$1.50.

**MIST METHODS CO.—Jewel W. Templeton—AN-5—WINCHESTER, TENN.**

#### BURLAP

Paper Wraps • Shade Cloths • Poly  
Tarps • Saran • Nails • Twines  
**SEAMAN BAG CO.**

2512 S. Damen Ave. Chicago 8, Ill.



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CUT 90% OF ALL  
MACHINE-CUT SOD!

See the full line of Ryan  
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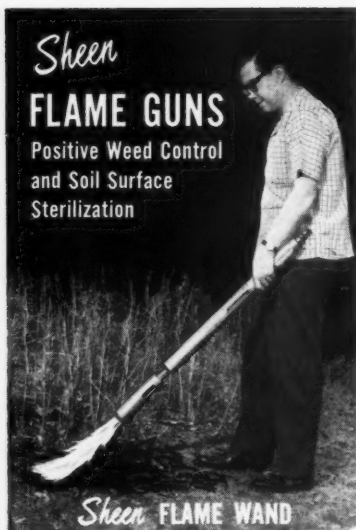
**RYAN LANDSCAPING EQUIPMENT CO.**  
871 Edgerton St., St. Paul 1, Minn.





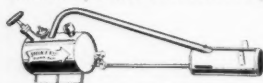
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Positive Weed Control  
and Soil Surface  
Sterilization



Sheen FLAME WAND

Light — compact — durable; ideal for garden use. Operates over 30 minutes on one filling. Guaranteed for safe, efficient operation..... **\$29.50** ppd.



X300

World's most advanced hand-held flame gun! Features the Sheen heavy-duty pump, pressure gauge and control valve. Ideal for the small grower..... **\$59.50**



X500

An all purpose machine combining the X300 flame gun with a wheeled chassis and hinged hood. Gun is detachable for maximum flexibility.

**\$79.50**



X1200

Designed for extended operation; 3-gallon tank permits continuous usage over large areas. Strong tubular chassis, 24-inch hinged hood.

**\$129.50**

Cash with order, please. F.O.B. Chicago Free Booklet, "1001 Burning Questions" upon request

**SMRT IMPORT CO.**

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LA GRANGE, ILLINOIS

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## USE NURSERICANS FOR ADDED PROFIT

NOW AVAILABLE  
IN 6 SIZES  
1 GALLON\* THROUGH  
6 GALLONS\*

\*Trade Designations



THE *Lerio* CORP.

Mobile, Ala.  
P. O. Box 1050  
Valdosta, Ga.  
P. O. Box 567

March, 1960. Business this spring was secured with an advertising budget comparable to last year's, but with a catalog 25 per cent smaller. There is evidence that the smaller catalog, through greater care in layout and presentation, was as effective as the larger book.

"Mail order is only one phase of our business, and it can be said that the over-all sales picture is much more healthy than last year, when the March winter had a devastating effect. We concentrate our retail sales effort on an area basis and believe we must secure business not only by mail but by drive-in, phone and personal calls to get satisfactory mileage out of our advertising and promotion dollar.

"What about the recession? The only effect we could observe was a tendency for customers to seek out bargains—smaller sizes, money-saving offers and other dollar-stretching inducements seemed particularly attractive this spring. Weather conditions continued to influence sales far more than the so-called recession.

"Ever-increasing costs of advertising space, printing, mailing and shipping, not to mention the mounting costs of government regulations, present a bewildering if not a frustrating set of conditions for the small mail-order nurseryman. This is reflected in the disturbing mortality in this field. Yet we are much more encouraged over the general outlook than we were a year ago."

## PEACE NURSERY EXPANDS

A new garden center is in the planning stage at Springdale, Ark., to be built by Peace & Son Nursery, Siloam Springs, and scheduled for October opening. The center, located on a 12-acre plot, will offer a complete landscape service for commercial and residential sites, including lawn building and maintenance. There will be display houses flanking a central building, and several acres will be planted to shrubs and trees for display purposes.

Herman Lay, a graduate of the University of Missouri school of landscape design, will manage operations at the new location. Headquarters of Peace & Son Nursery, one of the largest nurseries in the state, will remain at Siloam Springs, where 100 acres are used for growing stock.

EXOTIC NURSERY, Portland, Tex., is a new firm established by J. K. Garrett. He will specialize in orchids and tropical plants.

## New Ro-Feeder

Spreads 2-inch band of  
any type fertilizer, and  
mixes with soil...  
as fast as you walk!



Makes regular feeding easy... helps increase size and yield of fruits and vegetables. Flowers are bigger, more colorful. Handles all granular or ground plant foods.

Eliminates the stooping and "scratching in" of hand feeding. Just walk along and Ro-Feeder spreads uniform 2-inch band. Stops feeding when wheel stops. Adjustable cultivator. Corrosion-proof transparent tube holds 5 pounds of fertilizer, shows supply at all times. Offset feed allows close placement. Sturdily-built of rust-proof materials.

ORDER BY MAIL  
Money-back guarantee  
**\$1495** Post-paid

Use the Ro-Feeder for spot fertilization of growing nursery stock and row-feeding of perennials.

## FOR RESALE

Deduct 33 1/3% from list price of \$14.95 when ordering in lots of 5 or more units. Sent postpaid. Ad mat included.

## PETER SEYMOUR

4446 Gaywood Dr. • Hopkins, Minn.  
Mention The American Nurseryman when you write.

## Flora- MIST FOGGER

A PRACTICAL, ECONOMICAL WAY TO  
PROVIDE MOISTURE FOR PROPAGATION  
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**54¢**

NO. 300  
PAT. PEND.

Simple in design  
Made of Nylon with Brass  
Jet and Wire Baffle  
Little or no maintenance required  
Field-Tested for effectiveness  
Priced for extensive use and  
VOLUME SELLING

WRITE FOR FREE SAMPLE

**REED S. KOFFORD CO.**

P.O. BOX 453A • VAN NUYS, CALIFORNIA

## NEW BULLETINS

### SHADE ON AZALEAS

While azaleas sometimes apparently thrive in full sun, shade treatments at the Georgia agricultural experiment station showed a direct relation between the degree of shade and the flowering, size of flowers and resistance to cold injury the following winter, as reported by D. V. Sweet, in a recently published circular N. S. 18, "The Effect of Shade Treatments on Frost Hardiness and Flowering of Azaleas." The forcing varieties, Hinodegiri, Snow and Formosa, were employed in the experiments, using 1-year and 2-year-old plants in successive years. Azaleas were grown under full sun and 30 per cent, 51 per cent and 72 per cent of full shade. A noticeable increase in the total amounts of growth and in size of leaves was apparent in the plants grown under the heavier-shaded treatments.

The year following the treatment with 1-year plants, they were exposed to an unusually cold winter, and injury to late-growing terminals, both as leaf burn and bud kill, was observed to lessen as the percentage of shade increased, some of the plants in the full-sun treatment suffering complete kill. Increased color intensity, size and weight of flowers and leaves was noticeable with the increase in shade.

### HOME GARDEN CHART

Cornell's "Home Garden Guide for Ornamental Trees and Shrubs," for 1961, presents the recommendations of the New York State College of Agriculture, in the form of two charts running the long way of a letterhead-size sheet, covering the various operations from planting to spraying, with notes on timing, pertinent to deciduous trees and shrubs and to narrow-leaved and broad-leaved evergreens in separate columns, a handy and instructive presentation.

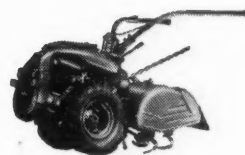
### MINNESOTA BULLETINS

Recently revised, "Landscaping the Home," by C. Gustav Hard, extension bulletin 283, in 16 pages, includes plant lists for various purposes for Minnesota environment, as well as a few illustrated pages on design and planting.

Also by C. Gustav Hard, "Per-

## The Original SWISS ROTARY TILLERS

# SAVE OVER \$100



→ for the first time in over 40 years, Simar has reduced their prices for a limited time only on the two most popular models.

You can now purchase one of these original Swiss Rotary Tillers for as little as **\$595** delivered.

Write today for complete details.

## E. C. GEIGER CO.

P. O. BOX 270  
NORTH WALES, PA.  
United States Distributor

## NAMSCO PEATS =

FINELY GRANULATED  
HIGHLY ABSORBENT  
TOP-QUALITY  
CANADIAN AND  
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# PEAT MOSS



## SALES REPEATS

Prompt Shipments  
"Hollandia" Burlap  
SQUARES  
REED MATS  
for Coldframes

Write for Prices  
State Requirements  
NEW AMSTERDAM IMPORT CO.  
120 Grand St., White Plains, N. Y.



FINEST QUALITY - PROMPT SERVICE  
LABELS PRINTED TO ORDER

Write for samples, prices and discounts.

THE BENJAMIN CHASE CO.  
DERRY VILLAGE, N. H.



Because you can't depend  
on rain . . . depend on  
WADE RAIN  
SPRINKLER IRRIGATION  
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## PROTECT YOUR CROPS



SPRAY  
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CREATES BARRICADE  
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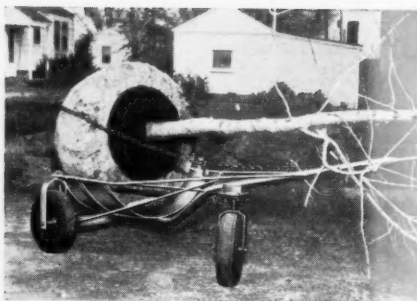
Odor not offensive to humans.

BUY NOW! Locally or order direct  
from State College Laboratories, State  
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NEW RABBIT REPELLENT available.  
Write for information.

PRODUCT OF

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Garden Shop BIG Hand Truck handles a 40-in., 1500-lb. ball, gets into places inaccessible to heavy equipment. Fewer men get the job done without damage to established lawns.

## NURSERY HAND TRUCKS

### *Save Money for You*

Built by a nursery to handle B&B material, Garden Shop Hand Trucks let you handle heavy jobs easier, quicker with fewer men. Hundreds in use. Three sizes, capacities up to 1500 lbs.

This sturdy, good-looking modern equipment is tried and tested. You can do more work, faster, with less cost and less plant damage and less strain on your men. Write for free illustrated folder giving details and prices.

## THE GARDEN SHOP, INC.

P. O. Box 51, Overland Park, Kan.

Phone: Kansas City, Niagara 2-4838

## GROW MORE PROFITS WITH BIRD CONTAINERS

**PLASTIC POTS** High Quality — Low Price  
**VITA-BANDS** For Prime Plants  
**PERENNIAL POTS** Lightweight and Heavy-weight

Write for Literature to Dept. AN



East Walpole, Mass.

**Gay · Colorful !**

**FLUORESCENT  
BANNER  
SIGNS**

**40**

STOCK  
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**3**

BRILLIANT  
COLORS

Write for catalogues

**GROWERS SIGN SERVICE**  
TALLMADGE, OHIO

Send for a sample set of **Menne-Pots** and  
**Menne Peat Pots** today . . . enclose \$1.50

**MENNE-POTS**  
NORTH TONAWANDA, N. Y. NX 3-4444

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Better Quality—Lower Prices  
Prompt Service  
Moisture-resistant labels, plain or printed, single or sheets for typewriter use. Wide variety, lowest prices.  
Shipping tags, color broadsides, catalogs, price lists, order blanks, order books, stock records, gummed labels, blotters, salesbooks, distinctive stationery.  
Letterpress and offset printing. Write for free samples and prices.  
**THE TINGLE PRINTING CO.**  
SINCE 1907 PITTSVILLE, MD.

### RAFFIA

Headquarters for  
A. A. Westcoast and  
X. X. Superior Raffia  
and

**GOODRICH BUDDING STRIPS**  
Can make immediate shipment.

**THOMAS MEEHAN & SONS**  
Skippank Pike, R. D. 3  
Norristown, Pa.

ennials for Minnesota" pictures and describes the principal hardy plants useful in the state, in extension bulletin 295, of 36 pages. Also issued by the agricultural extension service of the University of Minnesota, St. Paul, "Evergreens," by Mr. Hard and others, extension bulletin 258, in 28 pages, illustrates and describes the eight major genera of evergreens for that latitude.

### WASHINGTON TREE DISEASES

While it is directed primarily to owners of farm wood lots and forested areas, nurserymen of the section may find valuable a recent booklet published by the agricultural extension service of Washington State University, Pullman, "Important Diseases and Decays of Trees Native to Washington," by C. G. Shaw and M. R. Harris, plant pathologists, of the state university faculty.

This 36-page bulletin describes and contains advice on control methods for diseases of trees native to Washington state. Only the most important are described; many others are of minor importance and seldom found.

Diseases of trees not native to Washington will be the subject of a subsequent bulletin, it is stated by the authors.

### CONTROL OF LEAF MINERS

Reports on control experiments covering a half-dozen hosts of leaf miners are presented by John C. Schread in circular 215, just published by the Connecticut agricultural experiment station. While malathion and lindane have continued to be useful, the tests showed that diazinon was generally quite effective, and ethion and trithion were effective in the tests in which they were included.

### SOUTHERN WHOLESALERS

[Continued from page 8]

was cold and wet, with more wind than usual.

"We are late again this year with our plantings. The cost of supplies and labor is still going up. The prices of nursery stock are about the same as last year's. Volume is up a little.

"We hope to realize a small profit from our year's work, if our collections are satisfactory."

### Texas Firm's Record Sales

Customers' acceptance of stock under a necessary advance in prices was encouraging, states Steve Verhalen, Verhalen Nursery Co., Scotts-





## MR. GROWER:

Big sprayer performance at low cost.

4-piston pump pressures from 20 to 500 lbs., 12 g.p.m. Plastic-coated tanks, 3-point mount, exclusive adjustable booms. New line of models, 15, 20, 50, 200 gallons. Piston pumps, stainless cylinders simple and dependable.

Write for additional information.

**SKIBBE MFG. CO.**  
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## CUT WATER COSTS IN YOUR GREENHOUSE

Enjoy efficient, dependable, lowest-cost misting. Convert to

## HUMIDOMIST

System For  
I-N-T-E-R-M-I-T-T-E-N-T  
MISTING

Circular #577A describes installation.  
**SUPREME ELECTRIC PRODUCTS CO.**  
194 Vassar St. Rochester 7, N. Y.

## Dutch and Domestic BURLAP

PLAIN and TREATED

Established 1925  
**IMPORTERS—MANUFACTURERS**  
Distributors of Bird Pots,  
Menne-Pots and Lerio Nursericans  
**J. SHORE & CO.**  
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**A. M. & SON  
LEONARD**  
PIQUA, OHIO  
Knives - Shears - Pruning Tools  
Nursery Spades-Grafting Supplies  
Write for Catalog

ville, Tex., telling of his firm's spring experience as follows:

"Last season we came out rather early with a price list. We did this for a twofold reason. First, our intentions, since we were coming out with higher prices than in the previous season, were to let the other growers know about it so they would be encouraged to do likewise. However, not many of them followed suit. We faced the market with higher prices in our own offerings with everyone else seemingly taking advantage of this and offering their stock at last year's prices. In spite of this, we sold a record volume of stock and did not have to cut prices back to the old level to do it.

"Some people told us that if we got by with it, we would be geniuses. I don't think we were, in any way, nor were we foolhardy in trying it. It was a necessary step. We took the step and worked hard at it and fortunately our stock was good. It was easy to sell, even though others were offering at much lower prices. There were many cases delivered, where our competitors were offering stock as much as 20 per cent less, and we were still able to go in and get the business, because of our difference in quality and an assured promptness of delivery. Needless to say, we felt encouraged about this aspect of our customers' acceptance of our goods.

"This coming season will find us with little change in prices, but in a better position than ever before to sell, because our stock was not hurt during the winter and had good growing conditions in the spring. We have advanced heavily over the previous spring seasons, where growth is concerned. We look forward to a good summer and another good year beginning in September or October.

"One feature of our mild spring season is that our plants are heavily berried, especially the holly and pyracantha."

Roses still in storage in Texas suggest a 1961 oversupply, according to the spring trade report of Carl Shamburger, Carl Shamburger Nursery, Tyler, Tex., who writes:

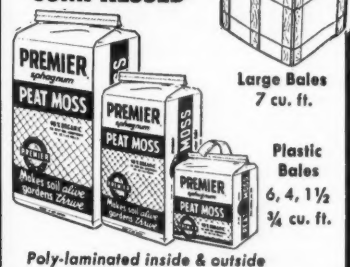
"It looks as if roses were overproduced this season. We are pretty well cleaned out, but others still have stock on hand, due to poor sales this spring and oversupply.

"As to roses in the fields for next fall delivery, our roses in Arizona are growing nicely. We have completed our budding there for 1962-1963 delivery.

"The roses in Texas are late getting off, due to a late spring, but there has been enough moisture, and

# PILE UP PROFITS with PREMIER *Sphagnum* PEAT MOSS

## BALES: COMPRESSED



## BAGS: BULK PACKED

Ready To Use



## PLASTIC PACKAGES

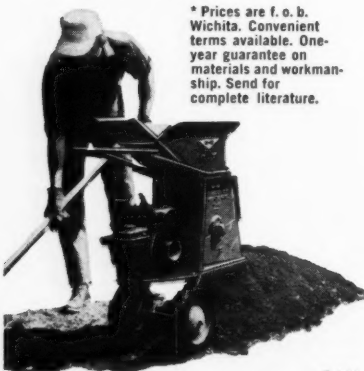
3 peck 1 peck

Also European Peat Moss  
10 1/2, 7 1/2, 6, 4 1/2 cu. ft. compressed bales  
Any combination shipped in one carload

Send for prices now  
**PREMIER PEAT MOSS CORP.**  
535 Fifth Ave., New York 17, N. Y.

see what this  
**W-W SHREDDER GRINDER**  
does for only **\$129.95\***

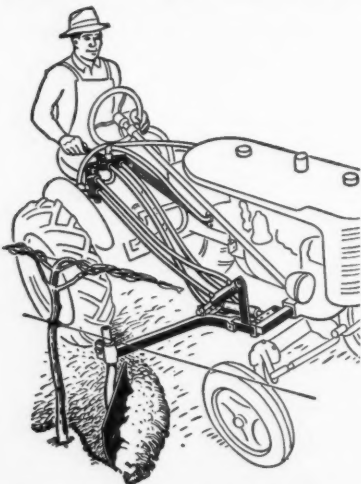
Here's America's most famous Shredder-Grinder—only \$129.95\* with choice of gas or electric power—or only \$96.00\* less power. Has exclusive W-W interchangeable shredding bars and grinding screen for complete processing versatility. Handles trimmings, leaves, phosphate rocks, peat moss, osmunda, hard manure. Makes potting or bench soil. Quality built for years of service. Larger models available.



\* Prices are f. o. b. Wichita. Convenient terms available. One-year guarantee on materials and workmanship. Send for complete literature.

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**GREEN'S TRACTOR HOE**  
Manual or Hydraulic Control



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I think we will have another good crop here this fall. However, I do not think so many roses are being produced this year as in the past winter."

**Oklahoma Advance**

Sales of lining-out and container-grown stock helped the wholesale volume to advance this year, writes J. Frank Sneed, Sneed Nursery Co., Oklahoma City, Okla., in the following spring report:

"Our shipping season is about over, except for the juniper grafts in the greenhouse. And according to our records, we should have an increase of about 10 per cent over last year, due to the sale of lining-out stock and container-grown material. Collections have been fair so far.

"The demand has been good, especially for grafted junipers and juniper grafts. We had a rough April, with too much rain and wind at times and not enough rain at others. I understand from the local retailers that sales were good up until April, but with the bad weather, cash and carry trade was way off. They were expecting a big May business.

"The supply of good material will be about the same as last year's. Our plantings in the field have increased a small per cent. We do not have a summary on our total expenses for the year, as our year does not end until June 30.

"Because of the increases in costs for labor and materials, there should be an over-all increase in prices. Our supply of labor has been ample, but not good."

**"PESTICIDE HANDBOOK"**

Completely revised and considerably enlarged, the 1961 edition of the Pesticide Handbook offers information on more than 9,000 agricultural chemicals and equipment items. An introductory section listing compatibilities and hazards of common pesticides includes the pesticide tolerances for certain crops established by the food and drug administration up to January 1, 1961.

The format of earlier editions has been retained by editor Donald E. H. Frear, with the pesticides listed first alphabetically by name and then according to use and active ingredients. A final section gives the names and addresses of manufacturers. Available in a paper cover at \$2 or cloth-bound at \$3.50, the handbook is published annually by the College Science Publishers, State College, Pa.

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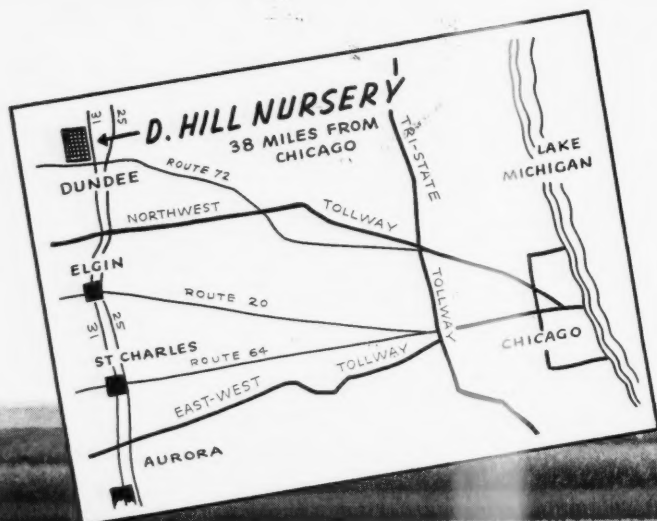
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